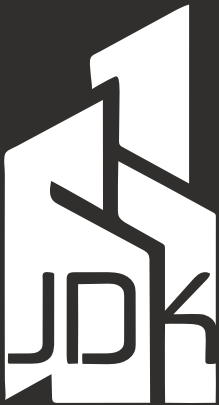
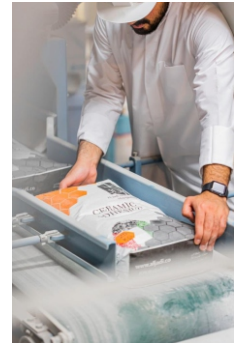




JDK



AL-JADI CO.



WATERPROOFING SYSTEMS





Rapid Setting Powder Plugging Mortar

Description:

Waterproofing material in powder-form, containing special type cement and chemical admixtures and polymer additives that provides high degree of adherence. It is used to **repair** and **waterproof active water leakages**. It **hardens in 2 - 3 minutes** in reaction with water.

Application Areas:

- Indoor and outdoor
- All kinds of mineral based surfaces
- Waterproofing of active water leakages
- Plugging of existing water leakages prior to waterproofing
- Repair of static cracks
- Groundworks
- Plugging tie rod gaps inside molds
- Waterproofing of basements from inside
- Beveling corners.

Advantages:

- Provides water impermeability by hardening quickly.
- Does not crack
- Cement based materials can be applied on 15 - 20 minutes later
- Does not shrink, does not leak water
- Generates a mortar that sets quickly and plugs water leakages easily
- Stops water flow very quickly
- Easy to use, nonpoisonous
- Does not contain chlorine, does not corrode iron reinforcement.

Consumption:

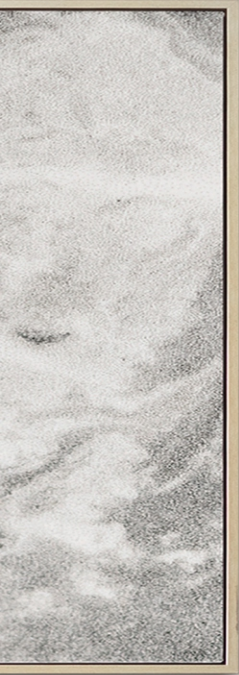
Appr. 2 kg for 1 L of volume

Packaging:

5 kg plastic buckets



FLOOR SYSTEMS





Basalt Aggregated Surface Hardener

Description:

Dry shake **surface hardener** which is applied as monolithic on fresh concrete surfaces. Resistant to abrasion and is a mixture of special type cement, **basalt** aggregate and performance increasing chemical additives. Provides resistance to wearing, impact, dusting and abrasion for **light and moderate loads** on concrete surfaces.

Application Areas:

- Indoor and outdoor
- Factories, business centers
- Garages, parking lots and basement floors
- Loading and unloading areas
- Subway stations and underground passages
- Parks and gardens, pedestrian ways and pavements.

Advantages:

- Applied on fresh concrete as monolithic
- The resistance of the concrete surfaces to abrasion where MONOFIX 80 is applied is 2 - 3 times higher than the plain concrete
- Becomes part of the surface applied, does not wear and come off
- Economical and long lasting
- Ready to use. Saves considerable time as it is quick and easy to apply
- Provides resistance to wearing and impacts on concrete surfaces and grout sides
- Makes the surface resistant to weather conditions and freeze-thaw cycles
- Allows to clean the surface easily and is more resistant to oils than plain concrete
- Does not oxidize
- Provides a higher impermeability compared to plain concrete.

Consumption:

Light and moderate loads: 4 - 5 kg/m²

Packaging:

25 kg kraft bags



Technical Properties

Appearance	: Red/green/grey colored powder
Application Temperature	: Between +5°C and +35°C
Aggregate Hardness	: 6 Mohs Scale
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm ³ (TS EN 13892-5)
Compressive Strength	: ≥ 70 N/mm ² 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm ² 28 Days (TS EN 13892-2)

Quartz Aggregated Surface Hardener

Description:

Dry shake **surface hardener** which is applied as monolithic on fresh concrete surfaces. Resistant to abrasion and is a mixture of special type cement, high quality **quartz** aggregate and performance increasing chemical additives. Provides resistance to wearing, impact, dusting and abrasion for **light and moderate loads** on concrete surfaces.

Application Areas:

- Indoor and outdoor
- Factories, business centers
- Garages, parking lots and basement floors
- Hangars and mechanical workshops
- Loading and unloading areas
- Subway stations and underground passages
- Parks and gardens, pedestrian ways and pavements.

Advantages:

- Applied on fresh concrete as monolithic
- The resistance of the concrete surfaces to abrasion where MONOFIX 100 is applied is 2 - 4 times higher than the plain concrete
- Becomes part of the surface applied, does not wear and come off
- Economical and long lasting
- Ready to use. Saves considerable time as it is quick and easy to apply
- Provides resistance to wearing and impacts on concrete surfaces and grout sides
- Makes the surface resistant to weather conditions and freeze-thaw cycles
- Allows to clean the surface easily and is more resistant to oils than plain concrete
- Does not oxidize
- Provides a higher impermeability compared to plain concrete.

Consumption:

Light and moderate loads: 4 - 5 kg/m²

Packaging:

25 kg kraft bags



Technical Properties

Appearance	: Red/green/grey colored powder
Application Temperature	: Between +5°C and +35°C
Aggregate Hardness	: 7 Mohs Scale
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm ³ (TS EN 13892-5)
Compressive Strength	: ≥ 70 N/mm ² 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm ² 28 Days (TS EN 13892-2)

Quartz and Corundum Aggregated Surface Hardener

Description:

Dry shake **surface hardener** which is applied as monolithic on fresh concrete surfaces. Resistant to abrasion and is a mixture of special type cement, high quality **quartz** and **corundum** aggregate and performance increasing chemical additives. Provides resistance to wearing, impact, dusting and abrasion for **light, moderate and heavy loads** on concrete surfaces.

Application Areas:

- Indoor and outdoor
- Factories, business centers, commercial storages
- Garages, parking lots and basement floors
- Mechanical workshops
- Power stations
- Shipyards and loading docks
- Subway stations and underground passages
- Parks and gardens, pedestrian ways and pavements
- Heliports and airfields.

Advantages:

- Applied on fresh concrete as monolithic
- The resistance of the concrete surfaces to abrasion where MONOFIX 200 is applied is 3 - 5 times higher than the plain concrete
- Becomes part of the surface applied, does not wear and come off
- Economical and long lasting
- Ready to use. Saves considerable time as it is quick and easy to apply
- Provides resistance to wearing and impacts on concrete surfaces and grout sides
- Makes the surface resistant to weather conditions and freeze-thaw cycles
- Allows to clean the surface easily and is more resistant to oils than plain concrete
- Does not oxidize
- Provides a higher impermeability compared to plain concrete.

Consumption:

Light and moderate loads: 5 - 5.5 kg/m²

Heavy loads: 7 - 8 kg/m²

Packaging:

25 kg kraft bags



Technical Properties

Appearance	: Red/green/grey colored powder
Application Temperature	: Between +5°C and +35°C
Aggregate Hardness	: 8 Mohs Scale
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm ³ (TS EN 13892-5)
Compressive Strength	: ≥ 70 N/mm ² 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm ² 28 Days (TS EN 13892-2)



Corundum Aggregated Surface Hardener

Description:

Dry shake **surface hardener** which is applied as monolithic on fresh concrete surfaces. Resistant to abrasion and is a mixture of special type cement, high quality **corundum** aggregate and performance increasing chemical additives. Provides resistance to wearing, impact, dusting and abrasion for **light, moderate** and **heavy loads** on concrete surfaces.

Application Areas:

- Indoor and outdoor
- Factories, business centers, commercial storages
- Garages, parking lots and basement floors
- Mechanical workshops
- Power stations
- Shipyards and loading docks
- Subway stations and underground passages
- Parks and gardens, pedestrian ways and pavements
- Heliports and airfields.

Advantages:

- Applied on fresh concrete as monolithic
- The resistance of the concrete surfaces to abrasion where MONOFIX 300 is applied is 4 - 6 times higher than the plain concrete
- Becomes part of the surface applied, does not wear and come off
- Economical and long lasting
- Ready to use. Saves considerable time as it is quick and easy to apply
- Provides resistance to wearing and impacts on concrete surfaces and grout sides
- Makes the surface resistant to weather conditions and freeze-thaw cycles
- Allows to clean the surface easily and is more resistant to oils than plain concrete
- Does not oxidize
- Provides a higher impermeability compared to plain concrete.

Consumption:

Light and moderate loads: 5 - 6 kg/m²
Heavy loads: 7 - 9 kg/m²

Packaging:

25 kg kraft bags

Dusting Preventive Liquid Surface Hardener

Description:

Low viscosity, colorless **liquid surface hardener** that protects the surface from dusting and abrasion. Applied on concrete and cement based floors, forms crystals by reacting with free lime which is released during the hydration of the cement. Forms a water impermeable and dust free surface.

Application Areas:

- Indoor and outdoor
- Concrete floors, cement based screeds, tile and stone covered floors that are required to be hardened and dust free
- Factories, industrial fields and mechanical workshops
- Storages and garages
- Basement floors and pedestrian ways.

Advantages:

- Increases the resistance of concrete and cement based floors against dusting and abrasion
- Can be applied on new and old floors
- Can be applied under elevated flooring systems
- Provides a permanent and effective resistance for the surface
- Easy to apply and ready to use
- Waterborne and environment friendly.

Consumption:

Approximately 200 - 250 g/m² on each layer (Varies depending on the absorption and the roughness of the application surface.)

Packaging:

30 kg plastic jerrycans and 180 kg barrels

Primer for Floor

Description:

Acrylic based, ready-to-use, single component **primer**, used on absorbent surfaces and on surfaces that are likely to dust.

Application Areas:

- Indoor and outdoor
- In horizontal and vertical applications
- On highly absorbent surfaces
- To increase adherence and prevent dusting, prior to applications of floor materials such as leveling screed
- As a primer prior to ceramics applications
- For increasing adherence before ceiling plastering applications
- For increasing adherence against dusting on concrete surfaces that will be subject to pedestrian traffic.

Advantages:

- Waterborne, odorless and safe to use indoor
- Provides high adherence and prevents dusting
- Prevents the screed losing water fast and potential air bubble formation, when applied prior to cement and gypsum based coverings on absorbent surfaces
- Increases workability
- Provides resistance against moisture
- Suitable for use on floor heating systems
- Suitable for use on ceilings and vertical surfaces.

Consumption:

Approximately 100 - 200 g/m² on each layer (Varies depending on the absorption and the roughness of the application surface.)

Packaging:

5 kg and 20 kg plastic jerrycans



Technical Properties	
Appearance	: Red/green/grey colored powder
Application Temperature	: Between +5°C and +35°C
Aggregate Hardness	: 9 Mohs Scale
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm ³ (TS EN 13892-5)
Compressive Strength	: ≥ 80 N/mm ² 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm ² 28 Days (TS EN 13892-2)

Technical Properties	
Appearance	: Transparent liquid
Liquid Density	: ~ 1.10 kg/L (20°C)

Technical Properties	
Appearance	: White colored liquid
Liquid Density	: ~ 1.05 kg/L
Application Temperature	: Between +5°C and +35°C
Drying Time	: 45 - 60 minutes
Second Coat Application Time	: 1 - 1.5 hours
Service Temperature	: -30°C / +80°C



Ready to Use Self-Levelling Compound (3 - 10 mm)

Description:

Cement based self-levelling floor screed which eliminates defects and roughnesses on the surface. Can be applied up to 10 mm thickness.

Application Areas:

- Indoor and dry environments
- Residential buildings
- Hospitals
- Education facility buildings
- Shopping malls, stores and markets
- Levelling the surface in 3 - 10 mm thickness before laying ceramics, granites, marble, hardwood, parquet, laminate, carpet and PVC coverings.

Advantages:

- Applied in 3 - 10 mm thickness
- Applied quickly and easily
- Balanced by self-levelling and removes the roughness of under layer
- Suitable for floors with heating systems
- Can be applied on old concrete surfaces
- Economical.

Consumption:

1.6 - 1.8 kg/m² (for 1 mm thickness)

Packaging:

25 kg kraft bags

Ready to Use Self-Levelling Compound (10 - 30 mm)

Description:

Cement based self-levelling floor screed which eliminates defects and roughnesses on the surface. Can be applied up to 30 mm thickness.

Application Areas:

- Indoor and dry environments
- Residential buildings
- Hospitals
- Education facility buildings
- Shopping malls, stores and markets
- Levelling the surface in 10 - 30 mm thickness before laying ceramics, granites, marble, hardwood, parquet, laminate, carpet and PVC coverings.

Advantages:

- Applied quickly and easily, manually or with a pump, in 10 - 30 mm thickness
- Has high flexural and compressive strength and has high surface adherence
- Balanced by self-levelling and removes the roughness of under layer
- Suitable for floors with heating systems
- Hardens quickly without cracking
- Can be applied on old concrete surfaces
- Economical.

Consumption:

1.7 - 1.8 kg/m² (for 1 mm thickness)

Packaging:

25 kg kraft bags



Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 4.75 - 5 L water / 25 kg powder
Pot Life	: 30 - 35 minutes
Walk-on Time	: 5 hours
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm ³ 28 days (EN 13892-5)
Compressive Strength	: ≥ 35 N/mm ² 28 days (EN 13892-2)
Flexural Strength	: ≥ 7 N/mm ² 28 days (EN 13892-2)
Application Temperature	: Between +5°C and +70°C

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 4.75 - 5 L water / 25 kg powder
Pot Life	: 30 - 35 minutes
Walk-on Time	: 5 hours
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm ³ 28 days (EN 13892-5)
Compressive Strength	: ≥ 40 N/mm ² 28 days (EN 13892-2)
Flexural Strength	: ≥ 10 N/mm ² 28 days (EN 13892-2)
Application Temperature	: Between +5°C and +70°C

REPAIR, REINFORCEMENT and RESTORATION





Fine Repair Mortar

Description:

Cement based, single component, **fine aggregated** surface repair and smoothing mortar which contains polymer additives.

Application Areas:

- Indoor and outdoor
- Restorations
- Repairing concrete and prefabricated concrete elements
- Smoothing and repairing wall and ceiling plaster
- Prior to painting, ceramic covering and isolation in order to have a flat and sound surface. Suitable for **static cracks up to 5 mm**.

Advantages:

- Does not cause cracking and dusting
- Easy to apply
- Dries quickly and allows utilization in a short period of time
- Provides high adherence without primer
- Resistant to water and frost
- Can be produced as fiber reinforced upon request.

Consumption:

1.5 kg/m² (for 1 mm thickness)

Packaging:

25 kg kraft bags

Fine Repair Mortar (White)

Description:

White cement based, single component, **fine aggregated** surface repair and smoothing mortar which contains polymer additives.

Application Areas:

- Indoor and outdoor
- Restorations
- Repairing concrete and prefabricated concrete elements
- Smoothing and repairing wall and ceiling plaster
- Prior to painting, ceramic covering and isolation in order to have a flat and sound surface. Suitable for **static cracks up to 5 mm**.

Advantages:

- Decorative due to its white color
- Does not cause cracking and dusting
- Easy to apply
- Dries quickly and allows utilization in a short period of time
- Provides high adherence without primer
- Resistant to water and frost
- Can be produced as fiber reinforced upon request.

Consumption:

1.5 kg/m² (for 1 mm thickness)

Packaging:

25 kg kraft bags

Coarse Repair Mortar

Description:

Cement based, single component, **coarse aggregated** surface repair and smoothing mortar which contains polymer and fiber additives.

Application Areas:

- Indoor and outdoor
- Restorations
- Repairing concrete and prefabricated concrete elements
- Smoothing and repairing wall and ceiling plaster
- Prior to painting, ceramic covering and isolation in order to have a flat and sound surface. Suitable for **static cracks up to 30 mm**.

Advantages:

- Does not cause cracking and dusting
- Easy to apply
- Dries quickly and allows utilization in a short period of time
- Provides high adherence without primer
- Resistant to water and frost
- Fiber reinforced.

Consumption:

2 kg/m² (for 1 mm thickness)

Packaging:

25 kg kraft bags



Technical Properties

Appearance	: Grey colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 5 - 6 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 30 minutes
Application Temperature	: Between +5°C and +35°C
Bond Strength by Pull-off	: ≥ 0.8 N/mm ² (EN 1542)
Flexural Strength	: ≥ 4 N/mm ² (EN 196-1)
Compressive Strength	: ≥ 15 N/mm ² (EN 12190)
Service Temperature	: - 20°C / +70°C

Technical Properties

Appearance	: White colored fine powder
Powder Density	: ~ 1.35 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 30 minutes
Application Temperature	: Between +5°C and +35°C
Bond Strength by Pull-off	: ≥ 0.8 N/mm ² (EN 1542)
Flexural Strength	: ≥ 4 N/mm ² (EN 196-1)
Compressive Strength	: ≥ 15 N/mm ² (EN 12190)
Service Temperature	: - 20°C / +70°C

Technical Properties

Appearance	: Grey colored coarse powder
Powder Density	: ~ 1.55 kg/L
Water Mixing Rate	: 4.5 - 5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 30 minutes
Application Temperature	: Between +5°C and +35°C
Bond Strength by Pull-off	: ≥ 0.8 N/mm ² (EN 1542)
Flexural Strength	: ≥ 5 N/mm ² (EN 196-1)
Compressive Strength	: ≥ 15 N/mm ² (EN 12190)
Service Temperature	: - 30°C / +80°C



Coarse Repair Mortar (White)

Description:

White cement based, single component, **coarse aggregated** surface repair and smoothing mortar which contains polymer and fiber additives.

Application Areas:

- Indoor and outdoor
- Restorations
- Repairing concrete and prefabricated concrete elements
- Smoothing and repairing wall and ceiling plaster
- Prior to painting, ceramic covering and isolation in order to have a flat and sound surface. Suitable for **static cracks up to 30 mm**.

Advantages:

- Decorative due to its white color
- Does not cause cracking and dusting
- Easy to apply
- Dries quickly and allows utilization in a short period of time
- Provides high adherence without primer
- Resistant to water and frost
- Fiber reinforced.

Consumption:

2 kg/m² (for 1 mm thickness)

Packaging:

25 kg kraft bags

High Strength Shrinkage Compensated Grout Mortar

Description:

Cement based, single component, **shrinkage compensated, high strength** grout mortar in **plastic consistency**.

Application Areas:

- Repairs that require early high strength
- Repairing reinforced concrete construction elements and floors
- Repairing concrete with segregation
- Horizontal and vertical beveling applications
- Grouting joints that exist between old and new concrete
- Grouting tie-rod holes and core holes
- Grouting the gaps that exist around the installation pipes and elements.

Advantages:

- Does not shrink. In thixotropic consistency
- Provides high compressive strength
- Resistant to impacts and vibrations
- Provides high adherence to concrete and reinforcement
- Resistant to water and moisture
- Does not contain corrosive materials
- Mixed only with water, easy to apply.

Consumption:

Approximately 20 kg/m² (for 10 mm thickness)

Packaging:

25 kg kraft bags

High Strength Sulphate Resistant Shrinkage Compensated Grout Mortar

Description:

Cement based, single component, **shrinkage compensated, sulphate resistant**, high strength grout mortar in **plastic consistency**.

Application Areas:

- Repairing reinforced concrete surfaces which are exposed to sulphate and corrosive salts
- Repairing bridges, canals and ports thanks to its resistance to the sulphate
- Maintenance and repair of marine buildings
- Repairs that require early high strength
- Repairing reinforced concrete construction elements and floors
- Repairing concrete with segregation
- Horizontal and vertical beveling applications
- Grouting joints that exist between old and new concrete
- Grouting tie-rod holes and core holes
- Grouting the gaps that exist around the installation pipes and elements.

Advantages:

- Resistant to sulphate and corrosive salt attacks, protects reinforced concrete buildings against segregation
- Does not shrink. It is in thixotropic consistency
- Provides high compressive strength
- Resistant to impacts and vibrations
- Provides high adherence to concrete and reinforcement
- Resistant to water and moisture
- Does not contain corrosive materials
- Mixed only with water, easy to apply.

Consumption:

Approximately 20 kg/m² (for 10 mm thickness)

Packaging:

25 kg kraft bags



Technical Properties	
Appearance	: White colored coarse powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 5 - 5.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 30 minutes
Application Temperature	: Between +5°C and +35°C
Bond Strength by Pull-off	: ≥ 0.8 N/mm ² (EN 1542)
Flexural Strength	: ≥ 5 N/mm ² (EN 196-1)
Compressive Strength	: ≥ 15 N/mm ² (EN 12190)
Service Temperature	: -30°C / +80°C

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 3.9 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 45 minutes
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: 1 day : ≥ 30 N/mm ² (EN 12190) 7 days : ≥ 50 N/mm ² (EN 12190) 28 days : ≥ 60 N/mm ² (EN 12190)
Application Thickness / Layer	: Min. 10 mm, Max. 40 mm
Walk-on Time	: 24 hours

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 3.9 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 45 minutes
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: 1 day : ≥ 30 N/mm ² (EN 12190) 7 days : ≥ 50 N/mm ² (EN 12190) 28 days : ≥ 60 N/mm ² (EN 12190)
Application Thickness / Layer	: Min. 10 mm, Max. 40 mm
Walk-on Time	: 24 hours



Shrinkage Compensated Flowable Grout and Anchoring Mortar

Description:

Cement based, single component, **shrinkage compensated**, specifically prepared grout and anchoring mortar in **fluid consistency**. Does not segregate or bleed.

Application Areas:

- Anchoring machinery feet
- As a fluid mortar, in places that are hard to access
- Repairs that require early high strength
- Beddings
- Gaps between column and beam interface
- Repairs of concrete that is exposed to segregation by using mold
- Grouting the gaps that exist around the installation pipes and elements.

Advantages:

- Due to its fluidity, it can grout gaps which are hard to access and can be applied easily with a pump
- Prevents shrinkage after setting
- High strength and fluid concrete can be obtained by mixing with number I clean aggregate by 25%, if required
- Has early compressive strength
- Resistant to oil and water permeability to its high compactness
- Does not contain metallic aggregate and chloride.

Consumption:

Appr. 18 - 20 kg/m² (for 10 mm thickness)
2 kg powder is used for 1 L mortar.

Packaging:

20 kg kraft bags

Shrinkage Compensated Flowable Sulphate Resistant Grout and Anchoring Mortar

Description:

Cement based, single component, **shrinkage compensated**, specifically prepared grout and anchoring mortar in **fluid consistency**. Does not segregate or bleed.

Application Areas:

- As a fluid mortar, in hard to reach areas (under soil and water etc.) of reinforced concrete buildings which are exposed to sulphate and corrosive salts
- Repairing bridges, canals and ports thanks to its resistance to the sulphate
- Maintenance and repair of marine buildings
- Anchoring machinery feet
- Repairs that require early high strength
- Beddings
- Gaps between column and beam interface
- Repairs of concrete that is exposed to segregation by using mold
- Grouting the gaps that exist around the installation pipes and elements.

Advantages:

- Resistant to sulphate and corrosive salt attacks, protects reinforced concrete buildings against segregation
- Due to its fluidity, it can grout hard to access gaps and can be applied easily with a pump
- Prevents shrinkage after setting
- High strength and fluid concrete can be obtained by mixing with number I clean aggregate by 25%, if required
- Has early compressive strength
- Resistant to oil and water permeability due to its high compactness
- Does not contain metallic aggregate and chloride.

Consumption:

Appr. 18 - 20 kg/m² (for 10 mm thickness)
2 kg powder is used for 1 L mortar.

Packaging:

20 kg kraft bags

Fast Setting Shrinkage Compensated Flowable Grout Mortar

Description:

Cement based, single component, **shrinkage compensated**, **fast setting**, high strength specifically prepared grout mortar in **fluid consistency**. Does not segregate or bleed.

Application Areas:

- Elevating manhole covers
- Assembling curbstones and borders
- Anchoring poles
- Anchoring machinery feet
- Repairing field concrete, runways and helipads
- Areas where early usage and fast strength is required
- Assembling the concrete elements of prefabricated constructions
- Filling the gaps in places that are hard to access
- Grouting the gaps that exist around the installation pipes and elements.

Advantages:

- Setting is completed not later than 20 minutes. Can be used in 1-2 hours
- Due to its fluidity, it can grout gaps and can be applied easily with a pump
- Prevents shrinkage after setting
- High strength and fluid concrete can be obtained by mixing with number I clean aggregate by 25%, if required
- Resistant to oil and water permeability due to its high compactness
- Does not contain metallic aggregate and chloride.

Consumption:

Appr. 20 kg/m² (for 10 mm thickness)

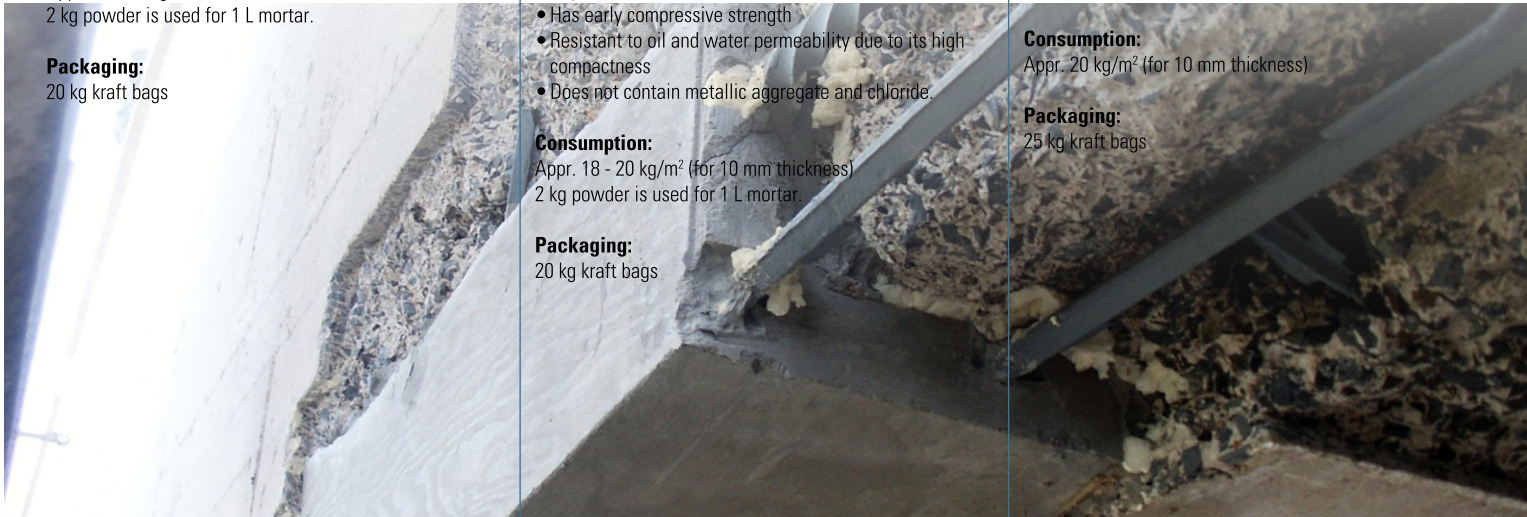
Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 3.36 L water / 20 kg powder
Resting Period	: 2 - 3 minutes
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: 1 day : ≥ 30 N/mm ² (EN 12190) 7 days : ≥ 50 N/mm ² (EN 12190) 28 days : ≥ 65 N/mm ² (EN 12190)
Application Thickness / Layer	: Min. 10 mm, Max. 40 mm
Walk-on Time	: 24 hours

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 3.36 L water / 20 kg powder
Resting Period	: 2 - 3 minutes
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: 1 day : ≥ 30 N/mm ² (EN 12190) 7 days : ≥ 50 N/mm ² (EN 12190) 28 days : ≥ 65 N/mm ² (EN 12190)
Application Thickness / Layer	: Min. 10 mm, Max. 40 mm
Walk-on Time	: 24 hours

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 3.25 - 4 L water / 25 kg powder
Application Temperature	: Between +5°C and +35°C
Compressive Strength	: 1 hour : ≥ 10 N/mm ² (EN 12190) 28 days : ≥ 45 N/mm ² (EN 12190)
Application Thickness / Layer	: Min. 10 mm, Max. 40 mm
Walk-on Time	: 2 hours



THERMAL INSULATION SYSTEMS





Heat Insulation Plate Plastering Mortar - Fiber Supported (Fine)

Description:

Cement based, polymer added, high performance, **fiber-supported, fine aggregated plastering** mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool).

Application Areas:

- Indoor and outdoor
- Plastering thermal insulation plates (expanded polystyrene (EPS) and extruded polystyrene (XPS), stone wool, polyurethane plates etc.).

Advantages:

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted.

Consumption:

3 - 4 kg/m² (Varies depending on the application method.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 2 hours
Application Temperature	: Between +5°C and +35°C
Aggregate Size	: Amount above of 1 mm sieve ≤ 1.0% (TS EN 1015-1)
Bulk Density of Fresh Mortar	: ≥ 1150 kg/m ³ (TS EN 1015-6)
Dry Bulk Density of Hardened Mortar	: 1300 ± 200 kg/m ³ (TS EN 1015-10)
Flexural Strength	: ≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	: ≥ 6 N/mm ² (TS EN 1015-11)
Tensile Bond Strength to the Thermal Insulation Plate	: ≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	: ≤ 0.5 kg/(m ² .min ^{0.5}) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 15 (TS EN 1015-19)
Thermal Conductivity	: 0.3 λ _T W/mK (TS EN 1745 - Table A12)
Service Temperature	: -20°C / +70°C

Heat Insulation Plate Plastering Mortar - Fiber Supported (Coarse)

Description:

Cement based, polymer added, high performance, **fiber-supported, coarse aggregated plastering** mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool).

Application Areas:

- Indoor and outdoor
- Plastering thermal insulation plates (expanded polystyrene (EPS) and extruded polystyrene (XPS), stone wool, polyurethane plates etc.).

Advantages:

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted.

Consumption:

4 - 5 kg/m² (Varies depending on the application method.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored coarse powder
Powder Density	: ~ 1.60 kg/L
Water Mixing Rate	: 5 - 6 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 2 hours
Application Temperature	: Between +5°C and +35°C
Bulk Density of Fresh Mortar	: ≥ 1150 kg/m ³ (TS EN 1015-6)
Dry Bulk Density of Hardened Mortar	: 1300 ± 200 kg/m ³ (TS EN 1015-10)
Flexural Strength	: ≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	: ≥ 6 N/mm ² (TS EN 1015-11)
Tensile Bond Strength to the Thermal Insulation Plate	: ≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	: ≤ 0.5 kg/(m ² .min ^{0.5}) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 15 (TS EN 1015-19)
Thermal Conductivity	: 0.3 λ _T W/mK (TS EN 1745 - Table A12)
Service Temperature	: -20°C / +70°C

Heat Insulation Plate Plastering and Adhesive Mortar

Description:

Cement based, polymer added, high performance, flexible, **adhesive and plastering** mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool).

Application Areas:

- Indoor and outdoor
- Bonding and plastering thermal insulation plates (expanded polystyrene (EPS) and extruded polystyrene (XPS), stone wool, polyurethane plates etc.).

Advantages:

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted
- Enables both bonding and plastering applications with the same product.

Consumption:

3 - 4.5 kg/m² (Varies depending on the application method.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.55 kg/L
Water Mixing Rate	: 6 - 7 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 2 hours
Application Temperature	: Between +5°C and +35°C
When Used as Adhesive Mortar;	
Open Time	: 15 minutes
Fixing with Wall Plugs	: Minimum 24 hours later
Plaster Application Time	: 1 - 2 days later
Slip	: ≤ 0.5 mm
Adhesion Strength to the Substrate	: ≥ 0.5 N/mm ² (TS EN 1015-12)
When Used as Plastering Mortar;	
Flexural Strength	: ≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	: ≥ 6 N/mm ² (TS EN 1015-11)
Tensile Bond Strength to the Thermal Insulation Plate	: ≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	: ≤ 0.5 kg/(m ² .min ^{0.5}) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 15 (TS EN 1015-19)
Service Temperature	: -20°C / +70°C



Decorative Plaster 15 - Mineral Textured - White (Fine)

Description:

White cement based, single component, polymer added, decorative facade top coat which has **1.5 mm mineral granular texture** and is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, provides perfect adhesion
- Has a decorative look and provides homogenous application
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it
- Fine granular texture reduces product consumption.

Consumption:

1.75 - 2.50 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags



Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E ₂) (EN 1062-1)
Granule Size	: Coarse; < 1500 µm (S ₂) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V ₁) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W ₂) (EN 1062-3)
Application Thickness	: ~ 1.5 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C

Decorative Plaster 20 - Mineral Textured - White (Coarse)

Description:

White cement based, single component, polymer added, decorative facade top coat which has **2 mm mineral granular texture** and is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, providing perfect adhesion
- Has a decorative look and provides homogenous application
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it.

Consumption:

2.2 - 3 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E ₂) (EN 1062-1)
Granule Size	: Very Coarse; > 1500 µm (S ₂) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V ₁) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W ₂) (EN 1062-3)
Application Thickness	: ~ 2 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C

Decorative Plaster C30 - Fine Line Patterned - White

Description:

White cement based, single component, polymer added, vertical fine line patterned decorative facade top coat which is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, provides perfect adhesion
- Has a decorative look with vertical fine line patterns.
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it.

Consumption:

2.4 - 3 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E ₂) (EN 1062-1)
Granule Size	: Very Coarse; > 1500 µm (S ₂) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V ₁) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W ₂) (EN 1062-3)
Application Thickness	: ~ 2 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C



Decorative Plaster C40 - Coarse Line Textured - White

Description:

White cement based, single component, polymer added, coarse line textured decorative facade top coat which is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, provides perfect adhesion
- Has a decorative look with coarse line textures
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it.

Consumption:

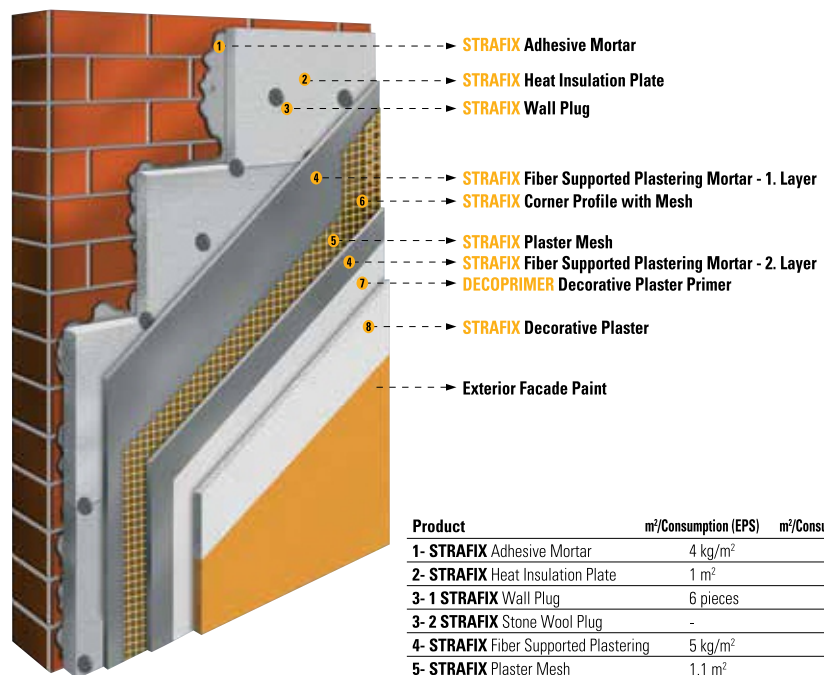
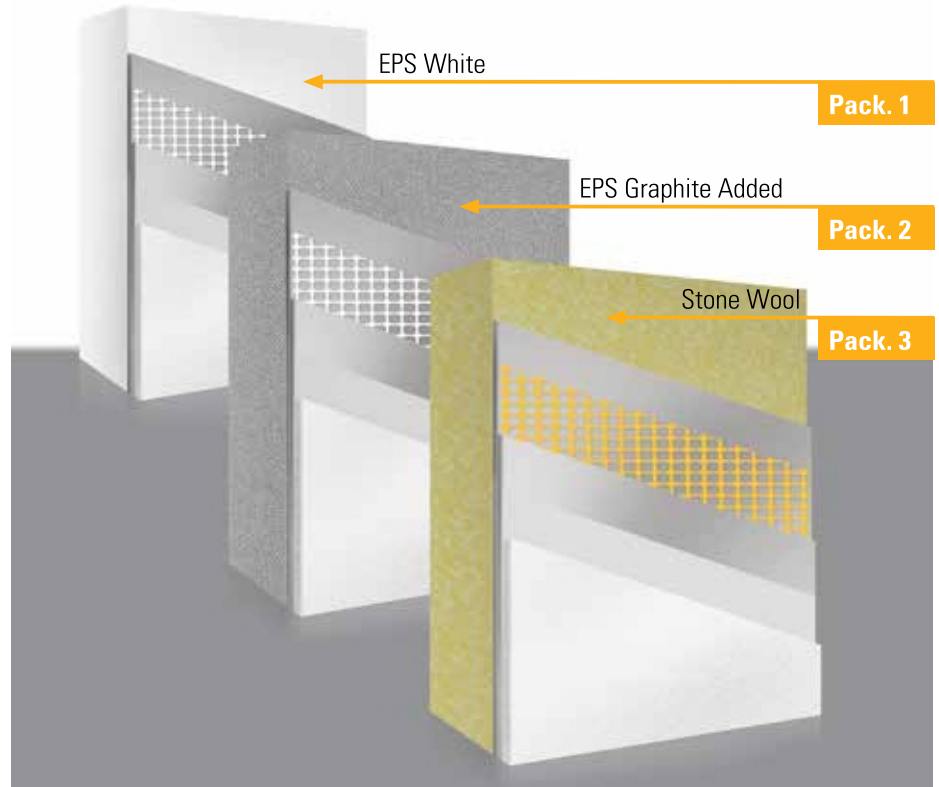
3 - 3.5 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags

THERMAL INSULATION SYSTEMS

STRAFIX Thermal Insulation Systems are developed by **FIXA Construction Chemicals** for reliable, longlasting and economical insulation. **STRAFIX Thermal Insulation Systems** provide you up to **50%** energy savings and reduces your expenditures by protecting both from heat and cold and allowing the heat to be evenly distributed in the building. There are **3** types of packages:



Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E _d) (EN 1062-1)
Granule Size	: Very Coarse; > 1500 µm (S _d) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V _d) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W _d) (EN 1062-3)
Application Thickness	: 2 - 3 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C

Product	m ² /Consumption (EPS)	m ² /Consumption (Stone Wool)
1- STRAFIX Adhesive Mortar	4 kg/m ²	5 kg/m ²
2- STRAFIX Heat Insulation Plate	1 m ²	1 m ²
3- 1 STRAFIX Wall Plug	6 pieces	-
3- 2 STRAFIX Stone Wool Plug	-	6 pieces
4- STRAFIX Fiber Supported Plastering	5 kg/m ²	5 kg/m ²
5- STRAFIX Plaster Mesh	1.1 m ²	1.1 m ²
6- STRAFIX Corner Profile with Mesh	0.25 mt	0.25 mt
7- DECOPRIMER Decorative Plaster Primer	0.10 kg/m ²	0.10 kg/m ²
8- STRAFIX Decorative Plaster	2.7 kg/m ²	2.7 kg/m ²

Consumption rates are given for 1 m².
Please consult FIXA Construction Chemicals for further information.



Heat Insulation Plate Plastering Mortar - Fiber Supported (Fine)

Description:

Cement based, polymer added, high performance, **fiber-supported, fine aggregated plastering** mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool).

Application Areas:

- Indoor and outdoor
- Plastering thermal insulation plates (expanded polystyrene (EPS) and extruded polystyrene (XPS), stone wool, polyurethane plates etc.).

Advantages:

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted.

Consumption:

3 - 4 kg/m² (Varies depending on the application method.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 2 hours
Application Temperature	: Between +5°C and +35°C
Aggregate Size	: Amount above of 1 mm sieve ≤ 1.0% (TS EN 1015-1)
Bulk Density of Fresh Mortar	: ≥ 1150 kg/m ³ (TS EN 1015-6)
Dry Bulk Density of Hardened Mortar	: 1300 ± 200 kg/m ³ (TS EN 1015-10)
Flexural Strength	: ≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	: ≥ 6 N/mm ² (TS EN 1015-11)
Tensile Bond Strength to the Thermal Insulation Plate	: ≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	: ≤ 0.5 kg/(m ² .min ^{0.5}) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 15 (TS EN 1015-19)
Thermal Conductivity	: 0.3 λ _T W/mK (TS EN 1745 - Table A12)
Service Temperature	: -20°C / +70°C

Heat Insulation Plate Plastering Mortar - Fiber Supported (Coarse)

Description:

Cement based, polymer added, high performance, **fiber-supported, coarse aggregated plastering** mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool).

Application Areas:

- Indoor and outdoor
- Plastering thermal insulation plates (expanded polystyrene (EPS) and extruded polystyrene (XPS), stone wool, polyurethane plates etc.).

Advantages:

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted.

Consumption:

4 - 5 kg/m² (Varies depending on the application method.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored coarse powder
Powder Density	: ~ 1.60 kg/L
Water Mixing Rate	: 5 - 6 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 2 hours
Application Temperature	: Between +5°C and +35°C
Bulk Density of Fresh Mortar	: ≥ 1150 kg/m ³ (TS EN 1015-6)
Dry Bulk Density of Hardened Mortar	: 1300 ± 200 kg/m ³ (TS EN 1015-10)
Flexural Strength	: ≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	: ≥ 6 N/mm ² (TS EN 1015-11)
Tensile Bond Strength to the Thermal Insulation Plate	: ≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	: ≤ 0.5 kg/(m ² .min ^{0.5}) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 15 (TS EN 1015-19)
Thermal Conductivity	: 0.3 λ _T W/mK (TS EN 1745 - Table A12)
Service Temperature	: -20°C / +70°C

Heat Insulation Plate Plastering and Adhesive Mortar

Description:

Cement based, polymer added, high performance, flexible, **adhesive and plastering** mortar which is produced specifically for thermal insulation plates (XPS, EPS, stone wool).

Application Areas:

- Indoor and outdoor
- Bonding and plastering thermal insulation plates (expanded polystyrene (EPS) and extruded polystyrene (XPS), stone wool, polyurethane plates etc.).

Advantages:

- Easy to apply, provides perfect adhesion
- Resistant to water and frost
- Not affected by temperature changes
- Flexible
- Provides high stability, does not sag and crack
- Water vapor permeable, allows the surface to breathe
- Can directly be overpainted
- Enables both bonding and plastering applications with the same product.

Consumption:

3 - 4.5 kg/m² (Varies depending on the application method.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored powder
Powder Density	: ~ 1.55 kg/L
Water Mixing Rate	: 6 - 7 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 2 hours
Application Temperature	: Between +5°C and +35°C
When Used as Adhesive Mortar;	
Open Time	: 15 minutes
Fixing with Wall Plugs	: Minimum 24 hours later
Plaster Application Time	: 1 - 2 days later
Slip	: ≤ 0.5 mm
Adhesion Strength to the Substrate	: ≥ 0.5 N/mm ² (TS EN 1015-12)
When Used as Plastering Mortar;	
Flexural Strength	: ≥ 2 N/mm ² (TS EN 1015-11)
Compressive Strength	: ≥ 6 N/mm ² (TS EN 1015-11)
Tensile Bond Strength to the Thermal Insulation Plate	: ≥ 0.08 N/mm ² (TS EN 13494)
Water Absorption	: ≤ 0.5 kg/(m ² .min ^{0.5}) (TS EN 1015-18)
Water Vapor Permeability Coefficient (μ)	: ≤ 15 (TS EN 1015-19)
Service Temperature	: -20°C / +70°C



Decorative Plaster 15 - Mineral Textured - White (Fine)

Description:

White cement based, single component, polymer added, decorative facade top coat which has **1.5 mm mineral granular texture** and is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, provides perfect adhesion
- Has a decorative look and provides homogenous application
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it
- Fine granular texture reduces product consumption.

Consumption:

1.75 - 2.50 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags

Decorative Plaster 20 - Mineral Textured - White (Coarse)

Description:

White cement based, single component, polymer added, decorative facade top coat which has **2 mm mineral granular texture** and is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, providing perfect adhesion
- Has a decorative look and provides homogenous application
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it.

Consumption:

2.2 - 3 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags

Decorative Plaster C30 - Fine Line Patterned - White

Description:

White cement based, single component, polymer added, vertical fine line patterned decorative facade top coat which is applied with a trowel.

Application Areas:

- As a top coat decorative coating material in thermal insulation systems
- Top of interior and exterior facade plasters.

Advantages:

- Easy to apply, provides perfect adhesion
- Has a decorative look with vertical fine line patterns.
- Wavelike appearance in imperfect thermal insulation system applications can be corrected
- Resistant to water and frost
- Resists to external impacts and protects the building for long time
- Water vapor permeable, allows the surface to breathe
- Exterior facade paints can be applied on top of it.

Consumption:

2.4 - 3 kg/m² (Varies depending on the application surface.)

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E _d) (EN 1062-1)
Granule Size	: Coarse; < 1500 µm (S _d) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V _d) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W _d) (EN 1062-3)
Application Thickness	: ~ 1.5 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C

Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E _d) (EN 1062-1)
Granule Size	: Very Coarse; > 1500 µm (S _d) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V _d) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W _d) (EN 1062-3)
Application Thickness	: ~ 2 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C

Technical Properties	
Appearance	: White colored granule
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 6 - 6.5 L water / 25 kg powder
Resting Period	: 5 minutes
Pot Life	: 1.5 - 2 hours
Application Temperature	: Between +5°C and +35°C
Dry Film Thickness	: > 400 µm (E _d) (EN 1062-1)
Granule Size	: Very Coarse; > 1500 µm (S _d) (EN 1062-1)
Water Vapor	
Transmission Rate	: High; > 150 g/(m ² .d) (V _d) (EN ISO 7783-2)
Water Transmission Rate	: Low; ≤ 0.1 kg/(m ² .h ^{0.5}) (W _d) (EN 1062-3)
Application Thickness	: ~ 2 mm
Complete Drying Time	: 1 - 2 days
Service Temperature	: -20°C / +70°C

CONCRETE and MORTAR ADMIXTURES





HYPER-PLASTIFIANT PER 0607

Hyperplasticizer concrete admixture with consistency protection for self compacting concrete.

DEFINITION

PER 0607 is a new generation super plasticizer concrete admixture, consisting of modified polycarboxylic ether polymers, developed for the ready mixed concrete industry, which maintains consistency, reduces water at a high rate, and provides SCC (Self Compacting Concrete) especially concrete with its base usage range. PER 0607 can be used in winter, PER 0607 in summer.

STANDARTS

ASTM C-494 Type F; TS EN 934 - 2 Tables 3.1, 3.2.

USAGE AREAS

- Ready-mixed concrete.
- Construction Concrete.

FEATURES

- High quality self-compacting concrete is obtained with the lowest water/cement ratio.
- The water requirement in the concrete is reduced (25-40% of the water part).
- It preserves the consistency of the concrete without delaying the setting.
- No need for consistency adjustment at the construction site. Impermeability is provided in concrete.
- Concrete that does not decompose and does not bleed is obtained.
- Homogeneous and cohesive concrete is obtained.
- Resistance to aggressive chemicals increases in concrete.
- With the use of additives, it becomes easier to pump long-distance and high-rise concrete.
- It allows the concrete to spread well into the mold.
- It provides perfect surface appearance.
- High early and strength are obtained in concrete.
- A single additive concrete design can be made.

DOSAGE

- Average 0.6 - 2.0% of cement weight.
- The ratio of fly ash, slag, micro silica, fine aggregate and crushed sand in concrete affects the amount of admixture use.
- Additive usage dosage should be determined by prior experiments according to concrete class and properties.

USE

• After the admixture is added to the concrete mixture with the final mixing water (after using 70% of the mixing water.), it should be mixed thoroughly until a homogeneous mixture and the desired workability are obtained.

- Additives should never be added to dry aggregate and cement, as it causes a decrease in water and plasticizer effect.



SAFETY

Skin and eye contact of the additive should be avoided, in case of contact, it should be washed with plenty of water. Gloves should be used during use

TECHNICAL DATA

Appearance	Coffee
liquid Density	1.07 0.02 gr/cm ³ (20 C)
pH	4.0-7.0
Chloride	0.1%(EN480-10)
Alkaline	3 (EN480-12)
Consumption	0.6-2.0% in Cement Weight

PACKAGING AND STORAGE

30 kg drum, 200 kg drum, 1000 kg bulk. Shelf life is more than 1 year when stored at +5 C / +25 C in its original package.

If the product freezes, it can be used after waiting at +20 °C and thawing, mixing well.



SUPERPLASTIFIANT NOV17

It is a super plasticizer concrete additive that increases strength by reducing water at a high rate.

DEFINITION

NOV 17 is a continuous plasticizer concrete admixture containing synthetic polymers with high molecular weight and increased plasticizing power, which increases the early and final strengths of concrete by reducing water at a high rate. Types of additives to be used according to slump protection, workability and strength requirements in different seasons; At high temperatures - in summer / At low temperatures - in winter / At normal temperatures - in transition months



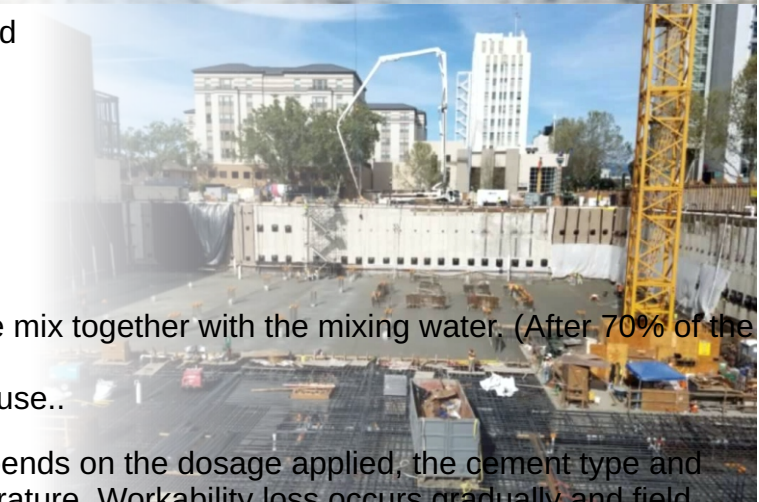
USAGE AREAS

- All high quality concretes where high strength and low water/cement ratio are required.
- In Ready-Mixed Concrete.
- In Mass Concrete
- Construction Site Mixes.

WORKABILITY

- HYDROCON. admixture is added to the concrete mix together with the mixing water. (After 70% of the mixing water is used)
- The material should be mixed thoroughly before use..

The workability time after the use of the additive depends on the dosage applied, the cement type and dosage, the aggregate used and the ambient temperature. Workability loss occurs gradually and field trials should be conducted to determine this value.



DOSAGE

- 1-2% of cement weight

USE

- The admixture should be added to the concrete mixture with the final mixing water. (After using 70% of the mixing water)
- Additives should never be added to dry aggregate and cement, as it causes a decrease in water and plasticizer effect



SAFETY

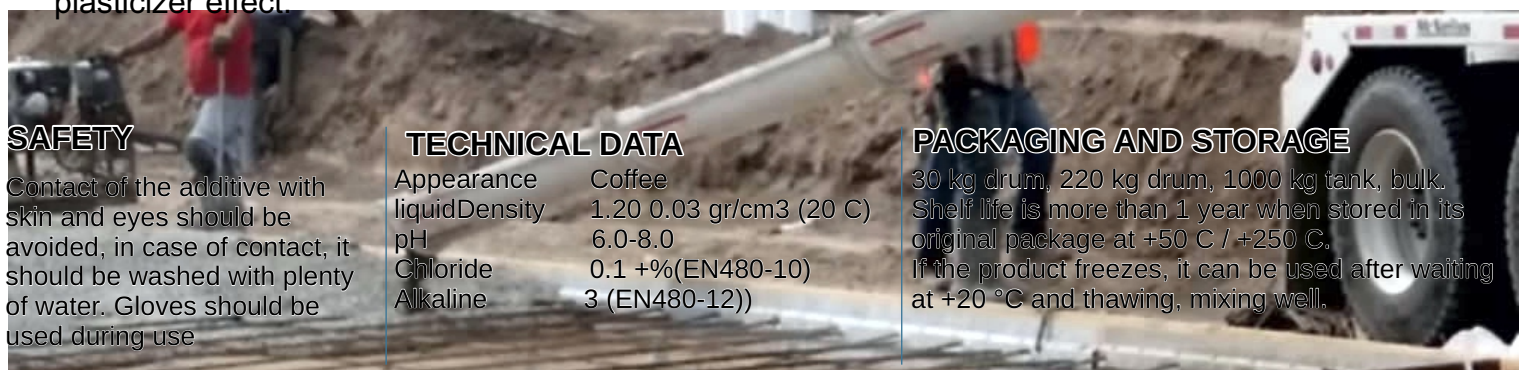
Contact of the additive with skin and eyes should be avoided, in case of contact, it should be washed with plenty of water. Gloves should be used during use

TECHNICAL DATA

Appearance	Coffee
liquidDensity	1.20 0.03 gr/cm ³ (20 C)
pH	6.0-8.0
Chloride	0.1 +%(EN480-10)
Alkaline	3 (EN480-12)

PACKAGING AND STORAGE

30 kg drum, 220 kg drum, 1000 kg tank, bulk.
Shelf life is more than 1 year when stored in its original package at +50 C / +250 C.
If the product freezes, it can be used after waiting at +20 °C and thawing, mixing well.





MINI HYPER-PLASTIFIANT Ps1711

Minihyperplasticizer for high performance self compacting concrete

DEFINITION

PS 1711 is a new generation super plasticizer concrete admixture, consisting of modified polycarboxylic ether polymers, developed for the ready mixed concrete industry in high performance concrete production, maintaining consistency, reducing water at a high rate, providing SCC (Self Compacting Concrete) especially concrete through top use. The PS 171 can be used in the winter and the PS 1711 SR in the summer.

STANDARTS

ASTM C-494 Type F; TS EN 934-2 Table 3.1, 3.2

USAGE AREAS

- Ready-mixed concrete.
- Construction Concrete.

FEATURES

- High quality self-compacting concrete is obtained with the lowest water/cement ratio.
- The water requirement in the concrete is reduced (25-40% of the water part).
- It preserves the consistency of the concrete without delaying the setting.
- Impermeability is provided in concrete.
- Concrete that does not decompose and does not bleed is obtained.
- Homogeneous and cohesive concrete is obtained.
- Resistance to aggressive chemicals increases in concrete.
- With the use of additives, it becomes easier to pump long-distance and high-rise concrete.
- It allows the concrete to spread well into the mold. It provides perfect surface appearance.
- High and early final strength is obtained in concrete.
- A single additive concrete design can be made.



RAPPORT

- PS 1711 is suitable for use with the following substances (not used with other concrete solids);
- All Portland and cement grades that comply with ASTM standards. air entraining concrete admixtures
- Silica Fume
- Fly Ash
- Polypropylene
- Fibersteel wire reinforcements

RESISTANCE : The use of PS 1711 causes an increase of more than 100% in the early and final (1-28 days) strengths of the concrete when compared to a concrete without admixture.

DOSAGE

- Average 0.4- 1.5% of cement weight.
- The ratio of fly ash, slag, micro silica, fine aggregate and crushed sand in concrete affects the amount of admixture used.
- The admixture usage dosage should be determined by the tests to be carried out in advance according to the concrete class and properties.

USE

- After the admixture is added to the concrete mixture with the final mixing water (after using 70% of the mixing water), it should be mixed thoroughly until a homogeneous mixture and the desired workability are obtained.
- Additives should never be added to dry aggregate and cement, as it causes a decrease in water and plasticizer effect.

WORKABILITY: After the admixture is added to the concrete mixture with the final mixing water (after using 70% of the mixing water), it should be mixed thoroughly until a homogeneous mixture and the desired workability are obtained. Additives should never be added to dry aggregate and cement, as it causes a decrease in water and plasticizer effect.

SAFETY

Skin and eye contact of the additive should be avoided, in case of contact, it should be washed with plenty of water. Gloves should be

TECHNICAL DATA

Appearance	Light Brown liquid
Density	1.8 + 0.02 gr/cm ³ (20 C)
pH	6.8-8.0
Chloride	0.1%(EN480-10)

PACKAGING AND STORAGE

30 kg drum, 220 kg drum, 1000 kg tank, bulk. Shelf life is more than 1 year when stored in its original package at +50 C / +250 C. If the product freezes, it can be used after waiting at +20 °C and thawing, mixing well.



HYDROCON

The contribution of concrete waterproofing

DEFINITION

HYDROCON, concrete mix reacts with the cement and gravel and waterproofing additive for capillary in the gaps.

STANDARDS

ASTM C-494 ; TS EN 934-2
Exposure of Public Eorks. No 04613 / A

USAGE AREAS

- Water storage tanks, dams, treatment plants, swimming pools
- Water exposed foundation concrete, retaining walls, bridges, tunnels, structures such as channels
- Chemical and environmental effects of concrete strength
- Mass concrete.

FEATURES

- The concrete strength increasses aggressive chemicals
- Slow down the corrosion of reinformercement in concrete
- The effect of concrete capillary water permeability consrant..
- After the concrete waterproofing required.

COMPLIANCE

HYDROCON, the following substances can be used together;

- Portland I cement in accordance with the standards of ASTM.
 - Pull-shrinkage of concrete with the contribution of anti-EXPAN.
 - Polypropylene fiber and steel wire reinforcement
- Other chemical concrete additives for concrete.

DOSAGE

- 1-2% of cement weight

USE

- HYDROCON contribution joins with the mixing water of concrete. (Mixture of 70 % after the use of water)
- Material should be mixed thoroughly before use.

WORKABILITY

HYDROCON contribution 45 minutes after adding the concrete must be processed.

SAFETY

Contribution of contact with skin and eyes should be prevented, should be washed with plenty of water in contact with. Use gloves when handling.

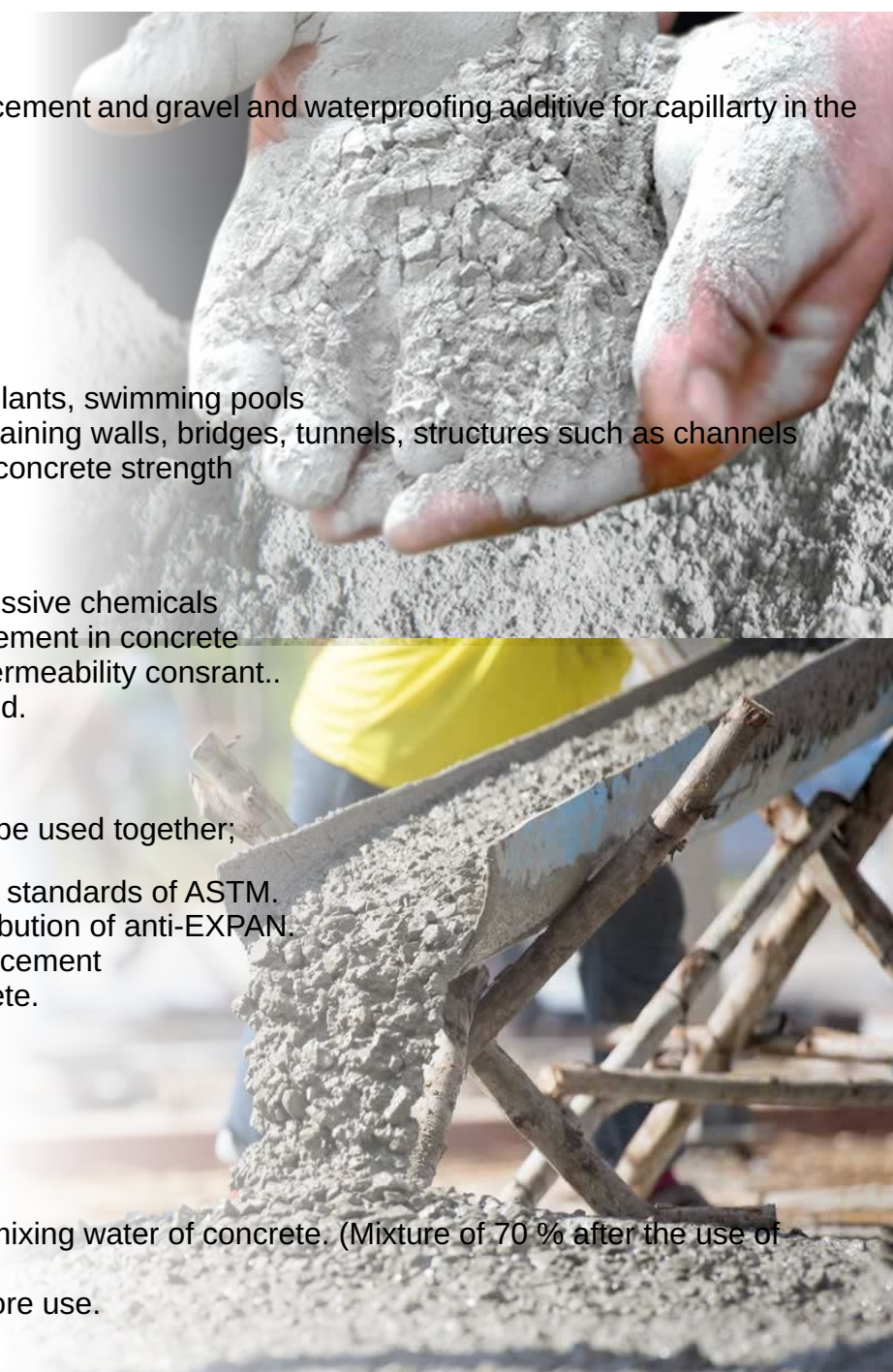
TECHNICAL DATA

Material structure of the light yellow-amber-colored liquid.

Density	1.05 + 0.03 gr/cm ³ (20 °C)
pH	10 + 0.02
Chloride	0.1 +%(EN480-10)
Alkaline	4 (EN480-12)

PACKAGING AND STORAGE

330 kg cans, 200 kg drums, 1000 kg tanks, in bulk. The original package, +200 C for over 1 year shelf life when stored. At low temperatures, the product crystallized frozen thawed and then thoroughly mixed with water is stored at +20 C available. Long-term storage should be mixed thoroughly with the materials prior to use





PROFREEZE

For very cold weather (-200 C), antifreeze, concrete solidification accelerator between water and cement, provides cement hydration to be faster, lower the freezing point in cement water thus solidification is much quicker. PROFREEZE, is frost resistant but until it reaches the compressive strength of at least 5 Mpa, the temperature of the concrete must be kept 5-100 C, for this additional precautions must be taken

DEFINITION

PROFREEZE, used to protect concrete from freezing in cold weather, PROFREEZE, accelerates reaction

STANDARDS

ASTM C-494 Type C, TS EN 934, Table, Table 7 Public Works pose no: 04613/7

FEATURES

- Low water / cement ratio concrete Water section 3%()
- Accelerates solidification
- In cold weather early concrete strength is increased.
- Protects the concrete from freezing.(Within the technical limit)
- Homogeneous and better quality of concrete reinforcement..
- Does not contain chlorine. Does not damage the concrete reinforcement
- With usage of fluicon or PLASTICON range water reducing concrete admixtures water is reduced to 10-20%.
- Using air voids of the concrete environmental AERMIX freeze thaw resistance is increased by the transfer.
- Micro silica, fly ash, slag, such as additives.
- Compatible with all cement types and classes
- Reinforcement of concrete with steel and synthetic

SETTING TIME

- Used for setting time of cement, aggregates, and the dosage depends on the ambient temperature and mixing ratio depending on the socket is accelerated

DOSAGE : % Water in the mixture 3 to 6

USE

PROFREEZE, participate together with the mixing water during concrete mix. (The amount of water should be minimized). Also in the field, be incorporated into the concrete mixer is 10 minutes before the casting process. Seamless as possible and should be cast without delay.

- In the cold weather, ice and snow-free surfaces of the aggregates is not frozen and the mold should be considered.
- Concrete must be poured in during the hottest hours of the day.
- Temperature of the fresh concrete to be at least +50 C. If necessary, the concrete temperature patterns by the method of heating of aggregates increased. 10 C to increase the temperature of the concrete, aggregate to increase the temperature of 20 C; Water temperature of 40 C increase in the concrete mix, cement, with the increased temperature of 8-100 C edilir PROFREEZE contribution to -50 C until used. The above measures should be taken as low as -150 C temperatures.

CURING

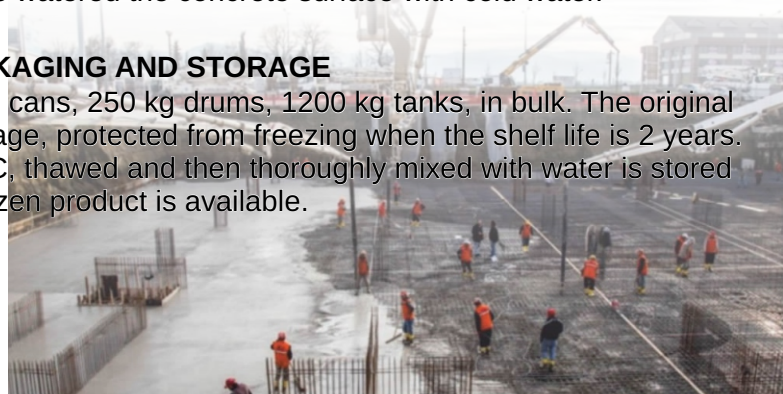
Shall be secured in concrete poured in immediately. Not be watered the concrete surface with cold water.

TECHNICAL DATA

AppearanceView Amber liquid
Density1.10 + 0.03 gr/cm ³ density (20°C)
pH	4.0-6.0
Chloride	0.1 % (EN480-10)
Alkaline	3% (EN480-12)
Consumption	3-6 % mixture of water

PACKAGING AND STORAGE

30 kg cans, 250 kg drums, 1200 kg tanks, in bulk. The original package, protected from freezing when the shelf life is 2 years. +20 C, thawed and then thoroughly mixed with water is stored in frozen product is available.





PS RETARDER

The contribution of the concrete surface retarder

DEFINITION

PS RETARDER, cement concrete surface of the decorative image revealing sherbet agregalarını outlet delay a chemical admixture of concrete

STANDARDS

ASTM C 494 - 81 Type B; TS EN 934 - 2

USAGE AREAS

- In-situ and precast concrete surfaces of the aggregates required to appear
(Wash beton - exposed aggregate concrete)

FEATURES

- Concrete surface more resistant to weak layer consisting of a surface layer of hard aggregates is obtained.
- Acquire an image is decorative

COMPLIANCE

PS RETARDER, the following materials can be used.

- Portland, sulphate resisting cement and other types
- Air entraining and other concrete additives
- Delaying or accelerating additives used in conjunction with high-dose pre-trial should be performed.

DOSAGE

- According to the desired etch depth of 100-200 g/m²

USE

- PS RETARDER, brush, roller or spray applied.
- 1:3 ratio of the material until the desired degree of roughness and impact diluted
- Be sure that the molds are clean, new timber mold or molds, the application of two coats should be very absorbent.
- Open mold surface pressure washed with water immediately after application

TECHNICAL DATA

View brownish liquid

Density	1.16 + 0.03 gr/cm ³ 20 C)
Chloride	0.1% (EN 480-10)
Alkaline	2 % % (EN 480 - 12)
Consumption	100-200 gr / m ²



TILE and CERAMIC ADHESIVES





Extra Tile and Ceramic Adhesive Mortar

Description:

Cement based, single component, polymer added tile and ceramic adhesive with extended open time, reduced slip and **extra** properties.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding small and medium size floor and wall ceramics and similar materials with more than 3% water absorption rate.

Advantages:

- Easy to apply
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Resistant to water and frost
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

3.5 - 4 kg/m²

Packaging:

25 kg kraft bags



Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 6 - 7 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2.5 - 3 hours
Extended Open Time Tensile Adhesion Strength	: After min. 30 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 0.5 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -20°C / +70°C

Extra Tile and Ceramic Adhesive Mortar (White)

Description:

White cement based, single component, polymer added tile and ceramic adhesive with extended open time, reduced slip and **extra** properties.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding small and medium size floor and wall ceramics, mosaic and similar materials with more than 3% water absorption rate.

Advantages:

- Easy to apply
- Decorative with its white color
- Enables to start the tile grout application quickly as it has the same color as the white tile grout
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Resistant to water and frost
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

3.5 - 4 kg/m²

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 6 - 7 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 2.5 hours
Extended Open Time Tensile Adhesion Strength	: After min. 30 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 0.5 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -20°C / +70°C

Tile and Ceramic Adhesive Mortar

Description:

Cement based, single component ceramic and tile adhesive powder mortar with reduced slip.

Application Areas:

- Indoor
- Horizontal and vertical surfaces
- Bonding small and medium size floor and wall ceramics with more than 3% water absorption rate
- Covering materials with a maximum size of 33 x 33 cm.

Advantages:

- Easy to apply
- Economical
- Does not sag in vertical applications.

Consumption:

3.5 - 4 kg/m²

Packaging:

25 kg kraft bags



Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.60 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 2.5 hours
Open Time Tensile Adhesion Strength	: After min. 20 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 0.5 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -20°C / +70°C



Tile and Ceramic Adhesive Mortar (White)

Description:

White cement based, single component ceramic and tile adhesive powder mortar with reduced slip.

Application Areas:

- Indoor
- Horizontal and vertical surfaces
- Bonding small and medium size floor and wall ceramics with more than 3% water absorption rate
- Covering materials with a maximum size of 33 x 33 cm.

Advantages:

- Easy to apply
- Economical
- Decorative with its white color
- Enables to start the tile grout application quickly as it has the same color as the white tile grout
- Does not sag in vertical applications

Consumption:

3.5 - 4 kg/m²

Packaging:

25 kg kraft bags



Technical Properties	
Appearance	: White colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 1.5 - 2 hours
Open Time Tensile Adhesion Strength	: After min. 20 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 0.5 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -20°C / +70°C

Granite Ceramic Adhesive Mortar

Description:

Cement based, single component, **flexible**, polymer added powder adhesive mortar with reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramic, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic such as work places, shopping malls, schools and hospitals
- Bonding ceramics on old granite and marble surfaces.

Advantages:

- Flexible and provides strong bonding
- Resistant to water and frost and is not affected by temperature changes
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2.5 - 3 hours
Open Time Tensile Adhesion Strength	: After min. 20 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C

Granite Ceramic Adhesive Mortar (White)

Description:

White cement based, single component, **flexible**, polymer added powder adhesive mortar with reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Bonding ceramics on old granite and marble surfaces
- Bonding glass mosaic.

Advantages:

- Decorative with its white color
- Enables to start the tile grout application quickly as it has the same color as the white tile grout
- Flexible and provides strong bonding
- Resistant to water and frost and is not affected by temperature changes
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored fine powder
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 2.5 hours
Open Time Tensile Adhesion Strength	: After min. 20 minutes ≥ 0.5 N/mm ² (EN 1346)
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C



FLEX Granite Ceramic Adhesive Mortar

Description:

Cement based, single component, **very flexible**, polymer added powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Floor heating systems
- Bonding ceramics on old granite and marble surfaces.

Advantages:

- Very flexible and provides strong bonding
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Resistant to water and frost, and is not affected by temperature changes
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags



Technical Properties

Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2.5 - 3 hours
Extended Open Time Tensile Adhesion Strength (EN 1346)	: After min. 30 minutes ≥ 0.5 N/mm ²
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C

FLEX Granite Ceramic Adhesive Mortar (White)

Description:

White cement based, single component, **very flexible**, polymer added powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Floor heating systems
- Bonding ceramics on old granite and marble surfaces
- Bonding glass mosaic.

Advantages:

- Decorative with its white color
- Enables to start the tile grout application quickly as it has the same color as the white tile grout
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Very flexibility and provides strong bonding
- Resistant to water and frost and is not affected by temperature changes
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags



Technical Properties

Appearance	: White colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 5.5 - 6.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 2.5 hours
Extended Open Time Tensile Adhesion Strength (EN 1346)	: After min. 30 minutes ≥ 0.5 N/mm ²
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C

Granite Ceramic Adhesive Mortar

Description:

Cement based, single component, polymer added, **very flexible**, **S1 class** powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Places exposed to temperature changes, such as cold storage depots, flash freezing facilities and floor heating systems
- Places exposed to water and outdoor weather conditions, such as pools, water tanks, terraces and balconies
- Bonding ceramics on old granite and marble surfaces.

Advantages:

- Very flexible and provides strong bonding
- Has transverse deformation property
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags

Technical Properties

Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 5 - 6 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2.5 - 3 hours
Extended Open Time Tensile Adhesion Strength (EN 1346)	: After min. 30 minutes ≥ 0.5 N/mm ²
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Transverse Deformation	: ≥ 2.5 mm and < 5 mm (EN 12002)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C



Granite Ceramic Adhesive Mortar (White)

Description:

White cement based, single component, polymer added, **very flexible, S1 class** powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker, glass mosaic and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Places exposed to temperature changes, such as cold storage depots, flash freezing facilities and floor heating systems
- Places exposed to water and outdoor weather conditions, such as pools, water tanks, terraces and balconies
- Bonding ceramics on old granite and marble surfaces.

Advantages:

- Decorative with its white color
- Enables to start the tile grout application quickly as it has the same color as the white tile grout
- Very flexible and provides strong bonding
- Has transverse deformation property
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes.
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Rate	: 5 - 6 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 2.5 hours
Extended Open Time Tensile Adhesion Strength (EN 1346)	: After min. 30 minutes ≥ 0.5 N/mm ²
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Transverse Deformation	: ≥ 2.5 mm and < 5 mm (EN 12002)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C

Granite Ceramic Adhesive Mortar

Description:

Cement based, single component, polymer added, **S2 class, very flexible** high grade powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Places exposed to temperature changes, such as cold storage depots, flash freezing facilities and floor heating systems
- Places exposed to water and outdoor weather conditions, such as pools, water tanks, terraces and balconies
- Bonding ceramics on old granite and marble surfaces.

Advantages:

- Very flexible and provides strong bonding
- Has transverse deformation property
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

4 - 6 kg/m²

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.50 kg/L
Water Mixing Rate	: 4 - 4.5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2.5 - 3 hours
Extended Open Time Tensile Adhesion Strength (EN 1346)	: After min. 30 minutes ≥ 0.5 N/mm ²
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Transverse Deformation	: ≥ 5 mm (EN 12002)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C

Granite Ceramic Adhesive Mortar (White)

Description:

White cement based, single component, polymer added, **S2 class, very flexible** high grade powder adhesive mortar with extended open time and reduced slip. Has high performance and high stability.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Bonding large size floor and wall ceramics, granite, granite ceramic, marble, clinker, glass mosaic and all kinds of natural stone coverings
- Places exposed to heavy pedestrian traffic, such as work places, shopping malls, schools and hospitals
- Places exposed to temperature changes, such as cold storage depots, flash freezing facilities and floor heating systems
- Places exposed to water and outdoor weather conditions, such as pools, water tanks, terraces and balconies
- Bonding ceramics on old granite and marble surfaces.

Advantages:

- Decorative with its white color
- Enables to start the tile grout application quickly as it has the same color as the white tile grout
- Very flexible and provides strong bonding
- Has transverse deformation property
- Resistant to water and frost, and to the tensions on the surface that are caused by sudden temperature changes
- Provides long workability, saves time and labor
- Allows sufficient time to adjust applied plates
- Provides high stability and does not sag in vertical applications
- Allows tiling downwards.

Consumption:

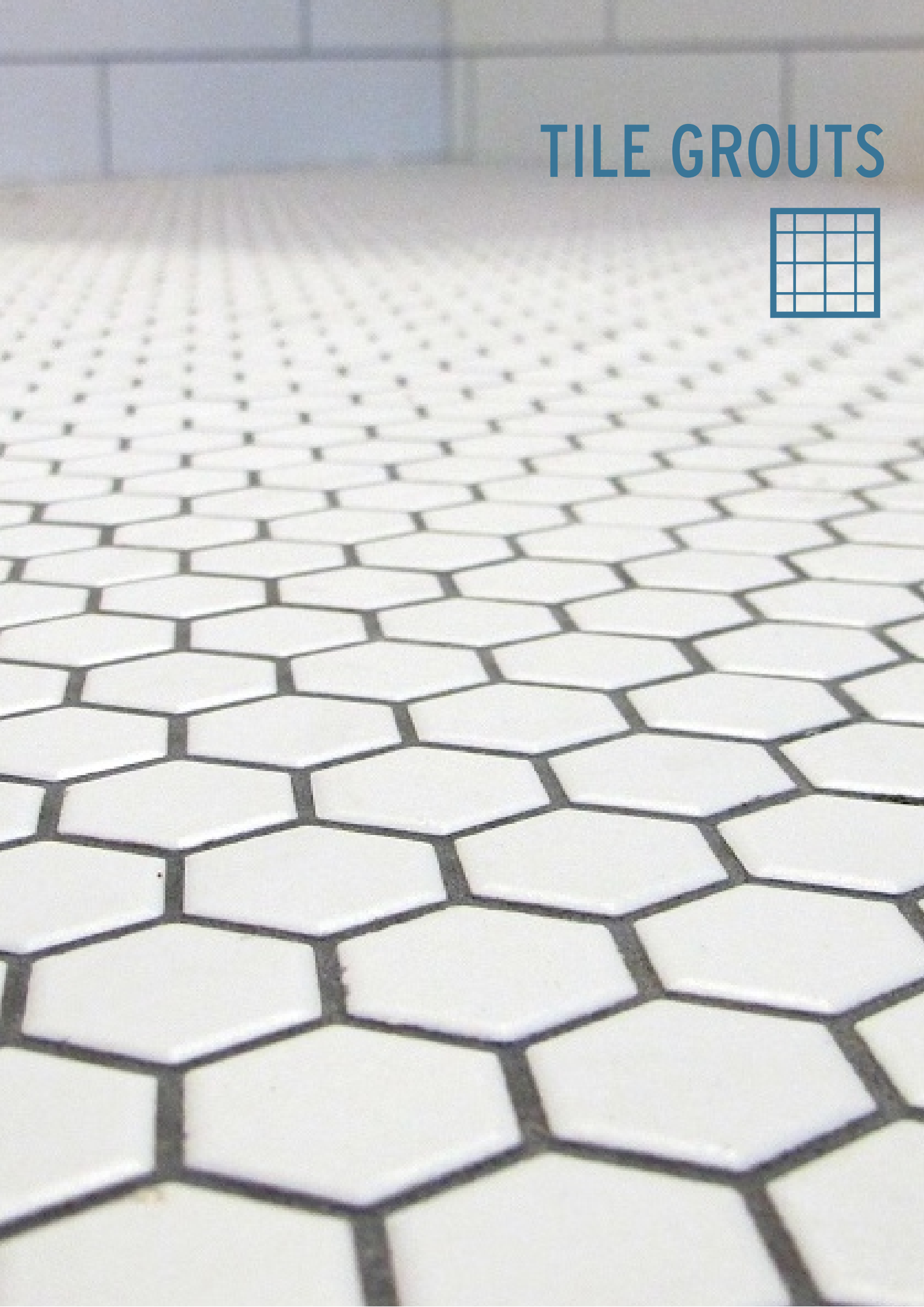
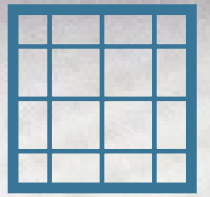
4 - 6 kg/m²

Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored fine powder
Powder Density	: ~ 1.45 kg/L
Water Mixing Rate	: 4.5 - 5 L water / 25 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: 2 - 2.5 hours
Extended Open Time Tensile Adhesion Strength (EN 1346)	: After min. 30 minutes ≥ 0.5 N/mm ²
Application Temperature	: Between +5°C and +35°C
Tensile Adhesion Strength	: ≥ 1 N/mm ² 28 days (EN 1348)
Slip	: ≤ 0.5 mm (EN 1308)
Transverse Deformation	: ≥ 5 mm (EN 12002)
Walk-on Time	: 24 hours
Service Temperature	: -30°C / +80°C

TILE GROUTS





Tile Grout (1 - 6 mm)

Description:

Cement based, high performance, single component, easy-to-apply tile grout which forms a smooth surface and is used for joint widths from **1 to 6 mm**.

Application Areas:

- Indoor
- Horizontal and vertical surfaces
- Tile grouting **1 - 6 mm** joints of ceramic, tiles and similar covering materials.

Advantages:

- Does not cause color fading, dusting and cracking
- Provides a smooth surface
- Bonds well on the sides of the ceramics
- Provides a wide variety of colors and is decorative
- Resistant to abrasion.

Consumption:

Refer to the tile grout consumption table (Page 76).

Packaging:

5 kg polyethylene bags
10 kg and 20 kg kraft bags



Tile Grout (1 - 6 mm)

Description:

Cement based, high performance, single component, easy-to-apply, **flexible** tile grout with reduced water absorption and high abrasion resistance. Forms a smooth surface and is used for joint widths from **1 to 6 mm**.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Places such as pools, water tanks, sauna and Turkish baths
- Floor heating systems
- Tile grouting **1 - 6 mm** joints of coverings such as granite ceramic, bigger sized ceramic, tile, natural granite, marble, clinker and glass mosaic.

Advantages:

- Does not cause color fading, dusting and cracking
- Provides a smooth surface
- Not affected by sudden temperature changes
- Resistant to water and frost
- Can be used in floor heating systems
- Bonds well on the sides of the ceramics without cracking
- Provides a wide variety of colors and is decorative
- Resistant to abrasion.

Consumption:

Refer to the tile grout consumption table (Page 76).

Packaging:

1 kg and 5 kg polyethylene bags
10 kg and 20 kg kraft bags



Tile Grout (6 - 20 mm)

Description:

Cement based, high performance, single component, easy-to-apply, **flexible** tile grout with reduced water absorption and high abrasion resistance. **Resistant to cracking** and is used for joint widths from **6 to 20 mm**.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical surfaces
- Places exposed to heavy pedestrian traffic
- Places such as pools, water tanks, sauna and Turkish baths
- Floor heating systems
- Tile grouting **6 - 20 mm** joints of coverings such as granite ceramic, bigger sized ceramic, natural granite, marble, terra cotta, clinker, pressed brick, natural stone, slate stone and glass mosaic
- As glass brick adhesive.

Advantages:

- Does not cause color fading, dusting and cracking
- Not affected by sudden temperature changes
- Resistant to water and frost
- Can be used in floor heating systems
- Bonds well on the sides of the ceramics without cracking
- Provides a wide variety of colors and is decorative
- Resistant to abrasion.

Consumption:

Refer to the tile grout consumption table (Page 76).

Packaging:

1 kg and 5 kg polyethylene bags
10 kg and 20 kg kraft bags



Silicone Supported Flex Tile Grout (1 - 6 mm)

Description:

Cement based, **silicone supported**, high performance, single component, easy-to-apply flexible tile grout with reduced water absorption and high abrasion resistance. **Resistant to mold and fungus** formation and forms a smooth surface and is used for joint widths from **1 to 6 mm**.

Application Areas:

- Indoor and outdoor
- Horizontal and vertical applications
- Wet areas such as swimming pools, bathrooms and toilets and in places such as kitchen which easily gets dirty
- Places continuously exposed to water and in which mold formation is fast, such as water tanks, Turkish baths and saunas
- Floor heating systems
- Tile grouting **1 - 6 mm** joints of coverings such as granite ceramic, bigger sized ceramic, tile, natural granite, marble, clinker and glass mosaic.

Advantages:

- Does not cause color fading, dusting and cracking
- Resistant to dirt accumulation
- Water repellent thanks to silicone in its content and is safe to use in wet areas
- Resistant to mold and fungus formation
- Provides a smooth surface
- Not affected by sudden temperature changes
- Resistant to water and frost
- Can be used in floor heating systems
- Bonds well on the sides of the ceramics without cracking
- Provides a wide variety of colors and is decorative
- Resistant to abrasion.

Consumption:

Refer to the tile grout consumption table (Page 76).

Packaging:

1 kg and 5 kg polyethylene bags
10 kg and 20 kg kraft bags



Technical Properties

Appearance	: White or colored fine powder
Powder Density	: ~ 1.10 kg/L
Water Mixing Rate	: 6 - 7 L water / 20 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 1 hour
Application Temp.	: Between +5°C and +35°C
Service Time	: Wall: 24 hours, Floor: 48 hours
Flexibility	: Medium
Flexural Strength	: ≥ 2.5 N/mm ² (EN 12808-3)
Compressive Strength	: ≥ 15 N/mm ² (EN 12808-3)
Abrasion Resistance	: ≤ 2000 mm ³ (EN 12808-2)
Shrinkage	: ≤ 3 mm/m (EN 12808-4)
Water Absorption	: In 30 minutes ≤ 5 g (EN 12808-5), In 240 minutes ≤ 10 g (EN 12808-5)
Service Temperature	: -20°C / +70°C

Technical Properties

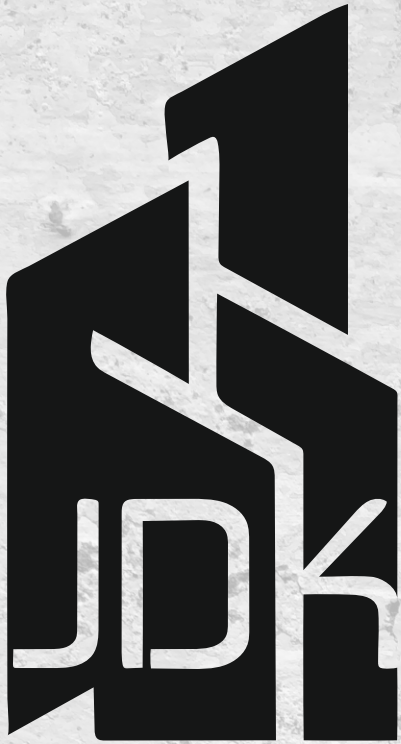
Appearance	: White or colored fine powder
Powder Density	: ~ 1.10 kg/L
Water Mixing Rate	: 6 - 7 L water / 20 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 1 hour
Application Temp.	: Between +5°C and +35°C
Service Time	: Wall: 12 hours, Floor: 24 hours
Flexibility	: Good
Flexural Strength	: ≥ 2.5 N/mm ² (EN 12808-3)
Compressive Strength	: ≥ 15 N/mm ² (EN 12808-3)
Abrasion Resistance	: ≤ 1000 mm ³ (EN 12808-2)
Shrinkage	: ≤ 3 mm/m (EN 12808-4)
Water Absorption	: In 30 minutes ≤ 2 g (EN 12808-5), In 240 minutes ≤ 5 g (EN 12808-5)
Service Temperature	: -30°C / +80°C

Technical Properties

Appearance	: White or colored coarse powder
Powder Density	: ~ 1.25 kg/L
Water Mixing Rate	: 4 - 5 L water / 20 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 1 hour
Application Temp.	: Between +5°C and +35°C
Service Time	: Wall: 12 hours, Floor: 24 hours
Flexibility	: Good
Flexural Strength	: ≥ 2.5 N/mm ² (EN 12808-3)
Compressive Strength	: ≥ 15 N/mm ² (EN 12808-3)
Abrasion Resistance	: ≤ 1000 mm ³ (EN 12808-2)
Shrinkage	: ≤ 3 mm/m (EN 12808-4)
Water Absorption	: In 30 minutes ≤ 2 g (EN 12808-5), In 240 minutes ≤ 5 g (EN 12808-5)
Service Temperature	: -30°C / +80°C

Technical Properties

Appearance	: White or colored fine powder
Powder Density	: ~ 1.10 kg/L
Water Mixing Rate	: 6 - 7 L water / 20 kg powder
Resting Period	: 5 - 10 minutes
Pot Life	: ~ 1 hour
Application Temp.	: Between +5°C and +35°C
Service Time	: Wall: 12 hours, Floor: 24 hours
Flexibility	: Good
Flexural Strength	: ≥ 2.5 N/mm ² (EN 12808-3)
Compressive Strength	: ≥ 15 N/mm ² (EN 12808-3)
Abrasion Resistance	: ≤ 1000 mm ³ (EN 12808-2)
Shrinkage	: ≤ 3 mm/m (EN 12808-4)
Water Absorption	: In 30 minutes ≤ 2 g (EN 12808-5), In 240 minutes ≤ 5 g (EN 12808-5)
Service Temperature	: -30°C / +80°C



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