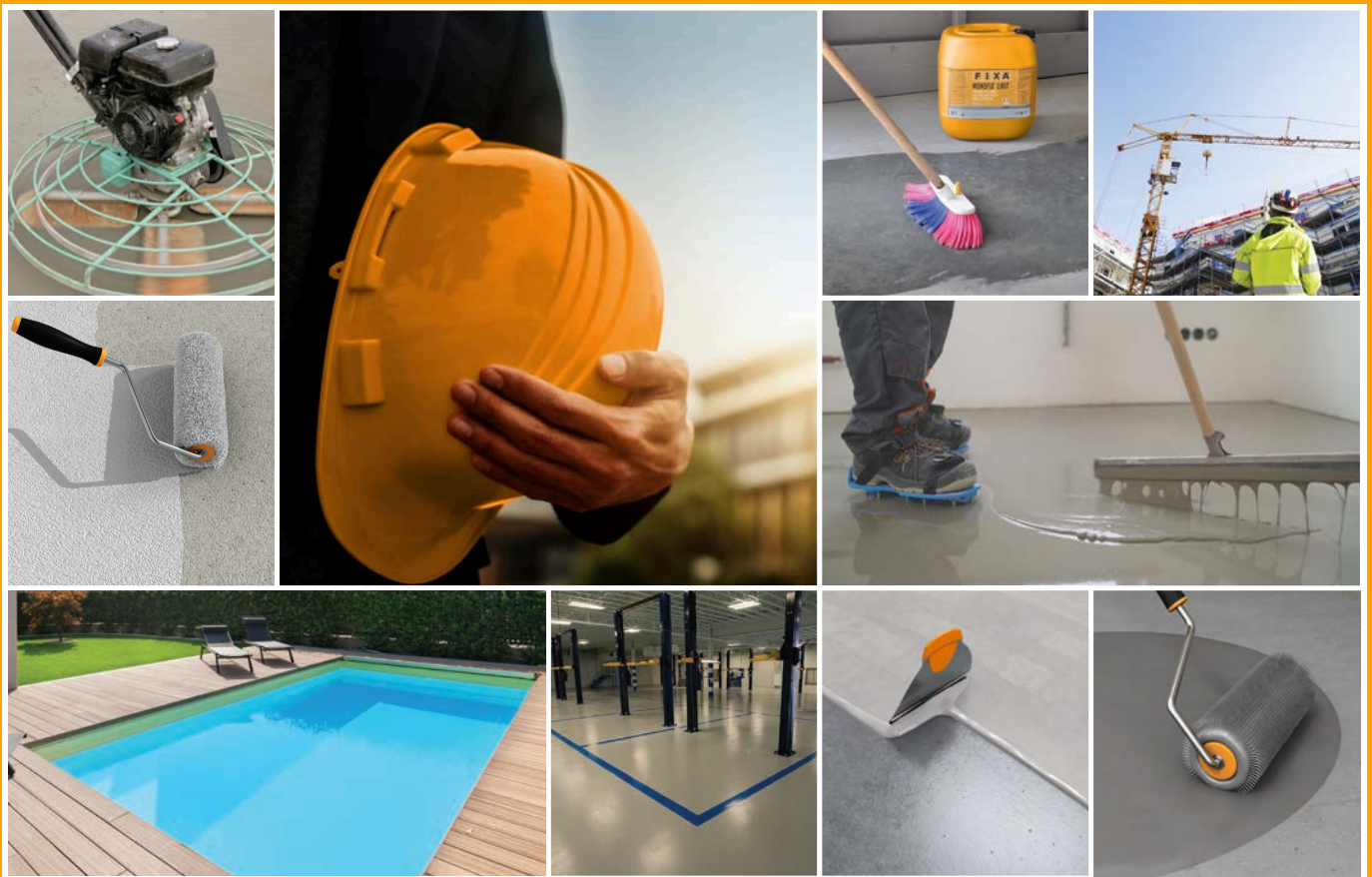


# Floor Systems & Curing Compounds

## 2023



**FIXA**<sup>®</sup>  
CONSTRUCTION CHEMICALS





**FIXA**<sup>®</sup>  
CONSTRUCTION CHEMICALS

In today's world, modern buildings are meeting not only the housing needs of people but also respond to their aesthetics, comfort and safety needs. Technologically advanced buildings raise the living standards of their residents and ensure that they live a happy life. Construction chemicals play a key role in this comfort.

FIXA CONSTRUCTION CHEMICALS was founded in 2001 in Istanbul with the belief that advanced technology buildings can only be constructed with high technology chemicals.

FIXA is one of the leading companies in its industry with its investment in research and development. Today, FIXA Construction Chemicals has an annual capacity of 350,000 tons of powder and 5,000 tons of liquid chemical production in its 3 factories (Istanbul 2001, Adana 2009 and Ankara 2011). With its MS hybrid, polyurethane and silicone production facility completed in 2013, FIXA provides highest technology products to the Turkish construction industry.

IGLOO Thermal Insulation Systems, a subsidiary of FIXA, was established in Istanbul in 2011 and with an annual production capacity of 350,000 m<sup>3</sup>, it produces high quality white and grey EPS for the thermal insulation industry in Türkiye.

FIXA respects Quality Control Systems as well as R&D and continuous training, to keep the highest standards in production and meet customer needs and expectations. All raw and semi-finished materials which affect the product quality and the finished products are object to required controls before shipment. In addition to TSE and CE, FIXA also has the ISO 9001:2015 Quality Management System Certificate for its products as well as other quality control certificates demanded in many markets.

FIXA also offers service to its customers with expert and professional sales and support teams to ensure the right product usage and application.

FIXA considers all its dealers as its business partners. In addition to its large dealer network throughout the country, FIXA continuously increases its exports with the distributorship network it has established in more than 30 countries in 4 continents.

Today FIXA offers high quality products for the construction industries both in Türkiye and in the world, in 11 different groups: waterproofing systems, sealants, repair, reinforcement and restoration systems, floor systems, thermal insulation systems, concrete and mortar admixtures, mold release agents and curing compounds, cement based plasters and bonding mortars, tile and ceramic adhesives, tile grouts and technical adhesives in its fully automated production facilities in Istanbul, Ankara and Adana.



# OUR FACILITIES

## CONSTRUCTION CHEMICALS

### Istanbul Factory

Total Area	11,000 m <sup>2</sup>
Closed Area	6,000 m <sup>2</sup>
Production Capacity	150,000 ton/year (powder product) 5,000 ton/year (liquid product) 5,000 ton/year (MS-silicone sealant)



### Adana Factory

Total Area	3,500 m <sup>2</sup>
Closed Area	2,500 m <sup>2</sup>
Production Capacity	80,000 ton/year (powder product)



### Ankara Factory

Total Area	7,200 m <sup>2</sup>
Closed Area	4,800 m <sup>2</sup>
Production Capacity	120,000 ton/year (powder product)



## EPS

### Istanbul Factory

Total Area	4,500 m <sup>2</sup>
Closed Area	5,000 m <sup>2</sup>
Production Capacity	350,000 m <sup>3</sup> /year (EPS)



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# FLOOR SYSTEMS





## MONOFIX® 80 Basalt Aggregated Surface Hardener

### Description:

Abrasion resistant **powder surface hardener** consisting of a mixture of special type cement, **basalt** aggregate and performance-enhancing chemical additives, applied monolithically on fresh concrete surfaces. It provides wear, impact, dust and abrasion resistance against **light** and **medium** 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 monolithically.
- The abrasion resistance of the MONOFIX 80 applied concrete surface increases 2 - 3 times compared to the normal concrete.
- Becomes part of the surface where it is applied, does not wear and fall 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.
- The surface is easier to clean and more resistant to oils than normal concrete.
- Does not oxidize.
- Provides a higher impermeability compared to plain concrete.
- Has various color alternatives.

### Consumption:

Light and moderate loads: 4 - 5 kg/m<sup>2</sup>

### 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 <sup>3</sup> (TS EN 13892-5)
Compressive Strength	: ≥ 70 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)

## MONOFIX® 100 Quartz Aggregated Surface Hardener

### Description:

Abrasion resistant **powder surface hardener** consisting of a mixture of special type cement, high quality **quartz** aggregate and performance-enhancing chemical additives, applied monolithically on fresh concrete surfaces. It provides wear, impact, dust and abrasion resistance against **light** and **medium** 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 monolithically.
- The abrasion resistance of the MONOFIX 100 applied concrete surface increases 2- 4 times compared to the normal concrete.
- Becomes part of the surface where it is applied, does not wear and fall 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.
- The surface is easier to clean and more resistant to oils than normal concrete.
- Does not oxidize.
- Provides a higher impermeability compared to normal concrete.
- Has various color alternatives.

### Consumption:

Light and moderate loads: 4 - 5 kg/m<sup>2</sup>

### 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 <sup>3</sup> (TS EN 13892-5)
Compressive Strength	: ≥ 70 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)

## MONOFIX® 200 Mineral and Corundum Aggregated Surface Hardener

### Description:

Abrasion resistant **powder surface hardener** consisting of a mixture of special type cement, high quality **mineral** and **corundum** aggregate and performance-enhancing chemical additives, applied monolithically on fresh concrete surfaces. It provides wear, impact, dust and abrasion resistance against **light**, **medium** 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 monolithically.
- The abrasion resistance of the MONOFIX 200 applied concrete surface increases 3 - 5 times compared to the normal 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.
- The surface is easier to clean and more resistant to oils than normal concrete.
- Does not oxidize.
- Provides a higher impermeability compared to normal concrete.
- Has various color alternatives.

### Consumption:

Light and moderate loads: 5 - 5.5 kg/m<sup>2</sup>

Heavy loads: 7 - 8 kg/m<sup>2</sup>

### 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 <sup>3</sup> (TS EN 13892-5)
Compressive Strength	: ≥ 70 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)



## MONOFIX® 300 Corundum Aggregated Surface Hardener

### Description:

Abrasion resistant **powder surface hardener** consisting of a mixture of special type cement, high quality **corundum** aggregate and performance-enhancing chemical additives, applied monolithically on fresh concrete surfaces. It provides wear, impact, dust and abrasion resistance against light, **medium** 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 monolithically.
- The abrasion resistance of the MONOFIX 300 applied concrete surface increases 4 - 6 times compared to the normal concrete.
- Becomes part of the surface where it is applied, does not wear and fall 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.
- The surface is easier to clean and more resistant to oils than normal concrete.
- Does not oxidize.
- Provides a higher impermeability compared to normal concrete.
- Has color alternatives

### Consumption:

Light and moderate loads: 5 - 6 kg/m<sup>2</sup>

Heavy loads: 7 - 9 kg/m<sup>2</sup>

### Packaging:

25 kg kraft bags

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 <sup>3</sup> (TS EN 13892-5)
Compressive Strength	: ≥ 80 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)
Flexural Strength	: ≥ 10 N/mm <sup>2</sup> 28 Days (TS EN 13892-2)



## MONOFIX® LIQUID Dusting Preventive Liquid Surface Hardener

### Description:

Low viscosity, colorless **liquid surface hardener** that protects the surface from dusting and abrasion. Increases the resistance of the surface against water. Enhances chemical and mechanical resistance.

### Application Areas:

- Indoor and outdoor,
- All horizontal and vertical surfaces,
- Concrete floors, cement based screeds, tile and stone covered floors that are required to be hardened and dust free,
- Natural stones and pressed brick covered floors,
- 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 and prevents dusting.
- Can be applied under elevated floors.
- Decelerates water loss and helps curing fresh concrete.
- Provides superior resistance against freeze-thaw cycle.
- Increases resistance against water.
- Provides permanent and effective durability.
- Easy to apply and ready to use.
- Waterborne and environment friendly.
- Increases concrete's resistance to atmospheric gases.

### Consumption:

Approximately 200 - 250 g/m<sup>2</sup> on each layer (Varies depending on the absorption and the roughness of the application surface.)

### Packaging:

30 kg plastic jerrycans and 180 kg barrels

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



## MONOPRIMER® 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,
- Horizontal and vertical applications,
- Highly absorbent surfaces,
- Increase adherence and prevent dusting, prior to applications of floor materials such as leveling screed,
- As a primer prior to ceramics application,
- 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 fast water loss and potential air bubble formation on absorbent surfaces when applied before cement and gypsum based coverings.
- 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/m<sup>2</sup> 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	: 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



## MONOFLOOR® 100 - C35

### Ready to Use Self-Leveling Compound (2 - 10 mm)

#### Description:

**C35 class, cement based self-levelling floor screed** which can be applied up to 10 mm thickness, to eliminate defects and roughnesses on the surface.

#### Application Areas:

- Indoor and dry environments,
- Residential buildings,
- Hospitals,
- Education facilities,
- Shopping malls, stores and markets,
- Levelling the surface in 2 - 10 mm thickness before laying ceramics, granites, marble, wood, parquet, laminate, carpet, linolium and PVC coverings.

#### Advantages:

- Applied in 2 - 10 mm thickness.
- Applied quickly and easily.
- Balances by self-levelling and removes the roughness of under layer.
- Provides a homogeneous appearance on the surface.
- Has high adherence to the surface.
- Does not dust on the surface.
- Suitable for floors with heating systems.
- Can be applied on old concrete surfaces.

#### Consumption:

1.6 - 1.8 kg/m<sup>2</sup> (for 1 mm thickness)

#### Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Ratio	: 5.5 - 6 L water / 25 kg powder
Pot Life	: 30 - 40 minutes
Walk-on Time	: 10 hours
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm <sup>3</sup> 28 days (EN 13892-5)
Compressive Strength	: ≥ 35 N/mm <sup>2</sup> 28 days (EN 13892-2)
Flexural Strength	: ≥ 7 N/mm <sup>2</sup> 28 days (EN 13892-2)
Application Temperature	: Between +5°C and +35°C



## MONOFLOOR® 100 - C25

### Ready to Use Self-Leveling Compound (2 - 10 mm)

#### Description:

**C25 class, cement based self-levelling floor screed** which can be applied up to 10 mm thickness, to eliminate defects and roughnesses on the surface.

#### Application Areas:

- Indoor and dry environments,
- Residential buildings,
- Hospitals,
- Education facilities,
- Shopping malls, stores and markets,
- Levelling the surface in 2 - 10 mm thickness before laying ceramics, granites, marble, wood, parquet, laminate, carpet, linolium and PVC coverings.

#### Advantages:

- Applied in 2 - 10 mm thickness.
- Applied quickly and easily.
- Balances by self-levelling and removes the roughness of under layer.
- Provides a homogeneous appearance on the surface.
- Has high adherence to the surface.
- Suitable for floors with heating systems.
- Can be applied on old concrete surfaces.

#### Consumption:

1.6 - 1.8 kg/m<sup>2</sup> (for 1 mm thickness)

#### Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Ratio	: 6 L water / 25 kg powder
Pot Life	: 20 - 30 minutes
Walk-on Time	: ~ 24 hours
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm <sup>3</sup> 28 days (EN 13892-5)
Compressive Strength	: ≥ 25 N/mm <sup>2</sup> 28 days (EN 13892-2)
Flexural Strength	: ≥ 7 N/mm <sup>2</sup> 28 days (EN 13892-2)
Application Temperature	: Between +5°C and +35°C



## MONOFLOOR® 100 - C25E

### Ready to Use Self-Leveling Compound (2 - 10 mm)

#### Description:

**C25 class, cement based self-levelling floor screed** which can be applied up to 10 mm thickness, to eliminate defects and roughnesses on the surface.

#### Application Areas:

- Indoor and dry environments,
- Residential buildings,
- Hospitals,
- Education facilities,
- Shopping malls, stores and markets,
- Levelling the surface in 2 - 10 mm thickness before laying ceramics, granites, marble, wood, parquet, laminate, carpet, linolium and PVC coverings.

#### Advantages:

- Applied in 2 - 10 mm thickness.
- Applied quickly and easily.
- Balances by self-levelling and removes the roughness of under layer.
- Provides a homogeneous appearance on the surface.
- Has high adherence to the surface.
- Suitable for floors with heating systems.
- Can be applied on old concrete surfaces.
- Economical.

#### Consumption:

1.6 - 1.8 kg/m<sup>2</sup> (for 1 mm thickness)

#### Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: Grey colored fine powder
Powder Density	: ~ 1.40 kg/L
Water Mixing Ratio	: 6 L water / 25 kg powder
Pot Life	: ~ 20 minutes
Walk-on Time	: ~ 48 hours
Determination of Wear	
Resistance to Rolling Wheel	: ≤ 1 cm <sup>3</sup> 28 days (EN 13892-5)
Compressive Strength	: ≥ 25 N/mm <sup>2</sup> 28 days (EN 13892-2)
Flexural Strength	: ≥ 7 N/mm <sup>2</sup> 28 days (EN 13892-2)
Application Temperature	: Between +5°C and +35°C



## MAXIFLOOR® Gypsum Based Ready-Mixed Floor Mortar

**Description:**  
**Gypsum (calcium sulphate)** based floor mortar that dries quickly and allows thick application (2 - 10 cm), used for the purpose of eliminating and correcting surface defects on slab concrete.

### Application Areas:

- Indoor and in dry environments,
- Residential buildings,
- Hospitals,
- Education facilities,
- Shopping malls, stores and markets,
- On slab concrete,
- Floors with heating systems,
- Levelling the surface 2 - 10 cm before laying ceramics, granites, marble, natural stone, hardwood, parquet, laminate, epoxy, carpet and PVC coverings.

### Advantages:

- Allows thick application.
- Applied faster and easier than mortars with cement. Does not cause shrinkage cracks.
- Can be walked on 2 hours after the application.
- Economical.
- Can be applied with machine.
- Can be applied on old concrete floors.
- Balanced by self-levelling and covers the roughness of under layer.
- Suitable for floors with heating systems.
- Causes less carbon emission compared to cement based screeds.

### Consumption:

16 - 17 kg/m<sup>2</sup> (for 1 cm thickness)

### Packaging:

35 kg kraft bags

Technical Properties	
Appearance	: Off white colored fine powder
Powder Density	: ~ 1.30 kg/L
Dry Bulk Density of Hardened Mortar	: 1.75 ± 10 kg/L
Water Mixing Ratio	: ~ 8.5 L water / 35 kg powder
Pot Life	: 20 - 30 minutes
Initial Setting Time	: ≥ 20 minutes
Final Setting Time	: ≥ 90 minutes
Walk-on Time	: 2 hours
Top Coat Time	: After fully dried
Application Thickness	: 2 - 10 cm
Compressive Strength	: ≥ 16 N/mm <sup>2</sup> 28 days C16 (EN 13813)
Flexural Strength	: ≥ 5 N/mm <sup>2</sup> 28 days F5 (EN 13813)
Reaction to Fire	: A1 (TS EN 13501-1)
pH	: ≥ 7
Application Temperature	: Between +5°C and +35°C

## TOPFLOOR® Gypsum Based Self-Levelling Floor Mortar (2 - 10 mm)

**Description:**  
**Gypsum (calcium sulphate)** based self-levelling floor mortar applied 2 - 10 mm, used for the purpose of eliminating and correcting surface defects on slab concrete.

### Application Areas:

- Indoor and in dry environments,
- Residential buildings,
- Hospitals,
- Education facilities,
- Shopping malls, stores and markets,
- Concrete floors or floors covered with MAXIFLOOR,
- Floors with heating systems,
- Levelling the surface in 2 - 10 mm before laying ceramics, granites, marble, hardwood, parquet, laminate, epoxy, carpet, PVC and linoleum coverings.

### Advantages:

- Applied in 2 - 10 mm thickness.
- Can be applied faster and easier than mortars with cement. Does not cause shrinkage cracks.
- Has high flexural and compressive strength.
- Can be walked on 2 hours after the application.
- Can be applied with machine.
- Can be applied on old cement or gypsum based floors.
- Balanced by self-levelling and covers the roughness of under layer.
- Makes the surface firm and resistant to abrasion when cured.
- Suitable for floors with heating systems.
- Causes less carbon emission compared to cement based screeds.

### Consumption:

1.5 - 1.6 kg/m<sup>2</sup> (for 1 mm thickness)

### Packaging:

25 kg kraft bags

Technical Properties	
Appearance	: White colored fine powder
Powder Density	: ~ 1.10 kg/L
Dry Bulk Density of Hardened Mortar	: 1.70 ± 10 kg/L
Water Mixing Ratio	: 6 L water / 25 kg powder
Pot Life	: ~ 20 minutes
Initial Setting Time	: ≥ 20 minutes
Final Setting Time	: ≥ 90 minutes
Walk-on Time	: 2 hours
Top Coat Time	: After fully dried
Application Thickness	: 2 - 10 mm
Compressive Strength	: ≥ 25 N/mm <sup>2</sup> 28 days C25 (EN 13813)
Flexural Strength	: ≥ 7 N/mm <sup>2</sup> 28 days F7 (EN 13813)
Reaction to Fire	: A1 (TS EN 13501-1)
pH	: ≥ 7
Application Temperature	: Between +5°C and +35°C

## FLOORFIX® Rapid 10 Acrylic Based High Performance PVC Floor Covering Adhesive

**Description:**  
**Acrylic** based, solvent-free, single component, multi-purpose dispersion floor covering adhesive for bonding PVC and linoleum floor coverings to pre-leveld surfaces. Adheres **fast** and **strongly**.

### Application Areas:

- Indoor and dry areas,
- Horizontal surfaces,
- Residential buildings,
- Hospitals,
- Educational facilities,
- Shopping malls, stores and markets,
- Bonding homogenous and heterogenous PVC floor coverings,
- Bonding linoleum based floor coverings,
- Bonding PVC, foam, latex-based carpets, acoustic vinyl and textile insulation mats to leveled surfaces.

### Advantages:

- Solvent-free.
- Can safely be used indoor as it is waterborne.
- Spread easily and easy-to-apply.
- Dries fast.
- Covers wider area in a short time.
- Can be applied on gypsum and cement based leveling compounds.
- Adheres well on the surface, provides excellent adhesion in a short time in the bonding of coating types that are difficult to adhere to.
- Can be used as a multi-purpose adhesive.
- Suitable for floor heating systems.
- Resistant to wheeled furniture.

### Consumption:

250 - 350 g/m<sup>2</sup> (Varies depending on the type of comb used, application thickness, absorbency and smoothness of the floor, type of coating material and ambient conditions.)

### Packaging:

20 kg plastic buckets

Technical Properties	
Appearance	: Grey colored flowable dispersion
Density	: 1.35 ± 0.05 kg/l
Gumming Time	: 10 - 15 minutes
Open Working Time	: 15 - 30 minutes
Time to Opening to Traffic	: 24 - 48 hours
Complete Curing	: 3 - 4 days
Application Temperature	: Between +15°C and +30°C
Service Temperature	: +5°C / +70°C



## FLOORFIX® Flex 30

### Acrylic Based Flexible PVC Floor Covering Adhesive

#### Description:

**Acrylic** based, solvent-free, single component, **flexible** dispersion floor covering adhesive for bonding PVC and linoleum floor coverings to pre-leveled surfaces.

#### Application Areas:

- Indoor and dry areas,
- Horizontal surfaces,
- Residential buildings,
- Hospitals,
- Educational facilities,
- Shopping malls, stores and markets,
- Bonding homogenous and heterogenous PVC floor coverings,
- Bonding linolium based floor coverings,
- Bonding rubber based roll coverings.

#### Advantages:

- Solvent-free.
- Can safely be used indoor as it is waterborne.
- Spread easily and easy-to-apply.
- Offers long workability.
- Allows to correct errors that occur while the coating is placed thanks to its flexibility and re-adhesive ability.
- Can be applied on gypsum and cement based leveling compounds.
- Adheres well on the surface.
- Suitable for floor heating systems.
- Resistant to wheeled furniture.

#### Consumption:

250 - 350 g/m<sup>2</sup> (Varies depending on the type of comb used, application thickness, absorbcency and smoothness of the floor, type of coating material and ambient conditions.)

#### Packaging:

20 kg plastic buckets

Technical Properties	
Appearance	: Grey colored flowable dispersion
Density	: 1.35 ± 0.05 kg/l
Gumming Time	: 25 - 35 minutes
Open Working Time	: 35 - 45 minutes
Time to Opening to Traffic	: 24 - 48 hours
Complete Curing	: 3 - 4 days
Application Temperature	: Between +15°C and +30°C
Service Temperature	: +5°C / +70°C

## FLOORFIX® Tacky 25

### Acrylic Based Flexible PVC Floor Covering Adhesive

#### Description:

**Acrylic** based, solvent-free, single component, **flexible** dispersion floor covering adhesive with **improved stickiness** for bonding PVC and linoleum floor coverings to pre-leveled surfaces. Offers **long workability**.

#### Application Areas:

- Indoor and dry areas,
- Horizontal surfaces,
- Residential buildings,
- Hospitals,
- Educational facilities,
- Shopping malls, stores and markets,
- Bonding homogenous and heterogenous PVC floor coverings,
- Bonding linolium based floor coverings,
- Bonding rubber based roll coverings.

#### Advantages:

- Solvent-free.
- Can safely be used indoor as it is waterborne.
- Spread easily and easy-to-apply.
- Has long workability, protects its bonding properties for long time.
- Allows to correct errors that occur while the coating is placed thanks to flexibility and re-adhesive ability.
- Remains sticky even the next day.
- Can be applied on gypsum and cement based leveling compounds.
- Adheres well on the surface.
- Suitable for floor heating systems.
- Resistant to wheeled furniture.

#### Consumption:

250 - 350 g/m<sup>2</sup> (Varies depending on the type of comb used, application thickness, absorbcency and smoothness of the floor, type of coating material and ambient conditions.)

#### Packaging:

20 kg plastic buckets

Technical Properties	
Appearance	: Grey colored flowable dispersion
Density	: 1.35 ± 0.05 kg/l
Gumming Time	: 25 - 30 minutes
Open Working Time	: 40 - 60 minutes
Time to Opening to Traffic	: 24 - 48 hours
Complete Curing	: 3 - 4 days
Application Temperature	: Between +15°C and +30°C
Service Temperature	: +5°C / +70°C

## FLOORFIX® Eco 20

### Acrylic Based PVC Floor Covering Adhesive

#### Description:

**Acrylic** based, solvent-free, single component, dispersion floor covering adhesive for bonding PVC and linoleum floor coverings to pre-leveled surfaces.

#### Application Areas:

- Indoor and dry areas,
- Horizontal surfaces,
- Residential buildings,
- Hospitals,
- Educational facilities,
- Shopping malls, stores and markets,
- Bonding homogenous and heterogenous PVC floor coverings,
- Bonding linolium based floor coverings,
- Bonding rubber based roll coverings.

#### Advantages:

- Solvent-free.
- Can safely be used indoor as it is waterborne.
- Spread easily and easy-to-apply.
- Odorless.
- Offers long workability.
- Can be applied on gypsum and cement based leveling compounds.
- Adheres well on the surface.
- Suitable for floor heating systems.
- Resistant to wheeled furniture.
- Economical.

#### Consumption:

250 - 350 g/m<sup>2</sup> (Varies depending on the type of comb used, application thickness, absorbcency and smoothness of the floor, type of coating material and ambient conditions.)

#### Packaging:

20 kg plastic buckets

Technical Properties	
Appearance	: Grey colored flowable dispersion
Density	: 1.35 ± 0.05 kg/l
Gumming Time	: 20 - 25 minutes
Open Working Time	: 25 - 35 minutes
Time to Opening to Traffic	: 24 - 48 hours
Complete Curing	: 3 - 4 days
Application Temperature	: Between +15°C and +30°C
Service Temperature	: +5°C / +70°C



## REPOX® A Solvent-Free Epoxy Surface Primer

### Description:

**Epoxy** resin based; solvent free, double component epoxy **floor primer**. Forms a film layer on cement based mineral surfaces. Can be used as primer under epoxy and polyurethane based coatings and paints.

### Application Areas:

- Indoor and outdoor,
- As a primer under the coatings in hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, printing houses, industrial kitchens, airplane maintenance hangars, factories, places where heavy forklift trucks are used, water purification facilities, places exposed to chemical corrosion, warehouses, terminals, shopping malls, schools and parking garages,
- As filler and repair mortar when mixed with appropriate aggregate,
- Under **REPOX** epoxy based floor coatings,
- As a primer under **POLAN** polyurethane based floor coatings.

### Advantages:

- Does not contain solvent.
- Penetrates deeply and fills the capillary voids on the concrete surface.
- Functions as a bonding bridge for epoxy and polyurethane coatings and paints which will be applied on it.
- Resistant to chemicals and inorganic acids, has high mechanical strength.

### Consumption:

150 - 400 g/m<sup>2</sup> (for 140 - 400 μ thickness) (Varies depending on the absorption and roughness of the surface, and the method of application)

### Packaging:

In tin cans, sets of 20 kg (A+B)

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Transparent yellow
Mixture Ratio	: A: 13.6 kg, B: 6.4 kg
Mixture Density	: 1.08 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 500 ± 150 mPas (20°C)
Compressive Strength	: 68 - 75 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> · h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 30 - 40 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 8 - 10 hours (23°C TS 4317)
Top Coat Time	: For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® AD Solvent-Free Epoxy Surface Primer with Filler

### Description:

**Epoxy** resin based; solvent free, double component, epoxy **floor primer** with low quantity of filler for concrete and cement based mineral surfaces. Can be used as primer under epoxy and polyurethane based floor coatings.

### Application Areas:

- Indoor and outdoor,
- As a primer under the coatings in hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, printing houses, industrial kitchens, airplane maintenance hangars, factories, places where heavy forklift trucks are used, water purification facilities, places exposed to chemical corrosion, warehouses, terminals, shopping malls, schools and parking garages,
- As a skimming layer with 1/1 aggregate addition,
- As filler and repair mortar when mixed with appropriate aggregate,
- Under **REPOX** epoxy based floor coatings,
- As a primer under **POLAN** polyurethane based floor coatings.

### Advantages:

- Does not contain solvent.
- Holds perfectly on cement based surfaces.
- Easy to apply in construction site as it is self-filled.
- Can be used as filler and repair mortar when mixed with appropriate aggregate.
- Resistant to chemicals and inorganic acids, has high mechanical strength.

### Consumption:

250 - 500 g/m<sup>2</sup> (for 175 - 375 μ thickness) (Varies depending on the absorption and roughness of the surface, and the method of application)

### Packaging:

In tin cans, sets of 25 kg (A+B)

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Cream
Mixture Ratio	: A: 20 kg, B: 5 kg
Mixture Density	: 1.30 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 1800 ± 200 mPas (20°C)
Compressive Strength	: 70 - 75 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 8% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> · h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 40 - 50 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 8 - 10 hours (23°C TS 4317)
Top Coat Time	: For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® AE Solvent-Free Epoxy Impregnation Surface Primer

### Description:

**Epoxy** resin based; solvent free, double component, low viscosity epoxy **impregnation surface primer** and **penetration material**. Can be used as primer under epoxy and polyurethane based floor coatings and paints for impregnation or can be used alone to prevent the dusting of the concrete.

### Application Areas:

- Indoor and outdoor,
- As a primer under the coatings in hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, printing houses, industrial kitchens, airplane maintenance hangars, factories, places where heavy forklift trucks are used, water purification facilities, places exposed to chemical corrosion, warehouses, terminals, shopping malls, schools and parking garages,
- Under the coating on dusting concretes,
- Under **REPOX** epoxy based floor coatings,
- As a primer under **POLAN** polyurethane based floor coatings.

### Advantages:

- Does not contain solvent.
- Has low viscosity.
- Penetrates deeply and fills the capillary voids on the concrete surfaces. Impregnates well. Adheres perfectly on cement based surfaces and prevent dusting.
- Functions as a bonding bridge with epoxy, polyurethane coatings and paints which will be applied on it.
- Resistant to chemicals and inorganic acids, has high mechanical strength.

### Consumption:

100 - 200 g/m<sup>2</sup> (for maximum 100 μ thickness) (Varies depending on the absorption and the roughness of the surface and the method of application.)

### Packaging:

In 20 kg tin cans sets (A+B)

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Transparent yellow
Mixture Ratio	: A: 13.6 kg, B: 6.4 kg
Mixture Density	: 1.05 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 300 ± 50 mPas (20°C)
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> · h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 20 - 30 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 8 - 10 hours (23°C TS 4317)
Top Coat Time	: For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® AH

### Solvent-Free Moisture Tolerant Epoxy Surface Primer

#### Description:

**Epoxy** resin based, solvent free, double component, low viscosity, moisture tolerant **epoxy primer**, penetration and impregnation material for concrete and cement based mineral surfaces.

#### Application Areas:

- Indoor and outdoor,
- Places where the surface moisture is maximum 6%,
- As a primer under the coatings in hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, printing houses, industrial kitchens, airplane maintenance hangars, factories, places where heavy forklift trucks are used, water purification facilities, places exposed to chemical corrosion, warehouses, terminals, shopping malls, schools and parking garages,
- As a primer under **REPOX** epoxy based floor coatings.

#### Advantages:

- Does not contain solvent.
- Adheres perfectly on cement based **moist surfaces** and functions as a bonding bridge for epoxy coatings and paints which will be applied on it.
- Penetrates deeply and fills the capillary voids on the concrete surfaces.
- Has low viscosity.
- Resistant to chemicals and inorganic acids, has high mechanical strength.

#### Consumption:

100 - 200 g/m<sup>2</sup> (for maximum 100 μ thickness) (Varies depending on the absorption and the roughness of the surface and the method of application.)

#### Packaging:

In 20 kg tin cans sets (A+B)

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Transparent yellow
Mixture Ratio	: A: 12 kg, B: 8 kg
Mixture Density	: 1.08 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 900 ± 250 mPas (20°C)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Pot Life	: 40 - 60 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 8 - 10 hours (23°C TS 4317)
Top Coat Time	: For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® CAP

### Solvent-Free Epoxy Ceramic Bonding Primer

#### Description:

**Epoxy** resin based, solvent free, double component, non-absorbent **ceramic bonding primer** which contains silica sand. Used on ceramics and functions as a bonding bridge for epoxy and polyurethane coatings and paints which will be applied on it.

#### Application Areas:

- Indoor and outdoor,
- As a bonding primer under the epoxy coatings in places with ceramic surfaces like hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, industrial kitchens, factories, warehouses, terminals, shopping malls, schools.

#### Advantages:

- Does not contain solvent.
- Adheres perfectly on ceramic surfaces.
- Functions as a bonding bridge for epoxy, polyurethane coatings and paints which will be applied on it.
- Resistant to chemicals and inorganic acids, has high mechanical strength.

#### Consumption:

50 - 100 g/m<sup>2</sup> (for maximum 100 μ thickness) (Varies depending on the absorption and the roughness of the surface and the method of application.)

#### Packaging:

In 20 kg tin cans sets (A+B)

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Transparent
Mixture Ratio	: A: 14 kg, B: 6 kg
Mixture Density	: 1.08 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 450 ± 150 mPas (20°C)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Pot Life	: 40 - 50 minutes (23°C, 200g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 8 - 10 hours (23°C TS 4317)
Top Coat Time	: For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® AC

### Solvent-Free Epoxy Colored Primer and Mid-Coat

#### Description:

**Epoxy** resin based, solvent free, double component, **colored epoxy surface primer** and mid-coat material.

#### Application Areas:

- Indoor and outdoor,
- As mid-coat layer under the coatings in hygienic environments such as hospitals and laboratories, in food, medicine, dyestuff industries, printing houses, industrial kitchens, airplane maintenance hangars, factories, places where heavy forklift trucks are used, water purification facilities, places exposed to chemical corrosion, warehouses, shopping malls, schools and parking garages,
- To thicken the primer and give strength by sprinkling aggregate on it,
- Under **REPOX** epoxy based floor coatings,
- As mid-coat under **POLAN** polyurethane based floor coatings.

#### Advantages:

- Does not contain solvent.
- As it has the same color with the top layer epoxy and polyurethane coating or paint to be applied on it, it provides a decorative look in case of a possible abrasion, and it enables to thicken the application as required before the top layer coating.
- Resistant to chemicals and inorganic acids, has high mechanical strength.

#### Consumption:

200 - 400 g/m<sup>2</sup> (for maximum 175 - 350 μ thickness) (Varies depending on the absorption and the roughness of the surface and the method of application.) When mixed with aggregate, thick mid-coats can be obtained.

#### Packaging:

In 20 kg tin cans sets (A+B)

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Ratio	: A: 13.6 kg, B: 6.4 kg
Mixture Density	: 1.15 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 900 ± 150 mPas (20°C)
Compressive Strength	: 65 - 75 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 30 - 40 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 8 - 10 hours (23°C TS 4317)
Top Coat Time	: For solvent-free coating: max. 24 hours (23°C TS 4317) For solventborne coating: 36 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)





## REPOX® AW

### Waterborne Epoxy Surface Primer

#### Description:

**Epoxy** resin based, double component, **waterborne** surface primer for concrete and cement based mineral surfaces.

#### Application Areas:

- Indoor,
- As a primer under the coatings in hygienic environments such as hospitals (especially operation room walls) and laboratories, in food and chemical industries, potable water tanks, terminals, shopping malls, schools, tunnels and parking garages,
- Under **REPOX** epoxy based floor coatings,
- As a primer under **POLAN** polyurethane based floor coatings.

#### Advantages:

- Waterborne, odorless.
- Does not contain solvent or harmful chemicals.
- Holds and penetrates perfectly on cement based surfaces and prevents dusting.
- Functions as a bonding bridge for epoxy, polyurethane coatings and paints which will be applied on it.
- Resistant to moisture and water (Not resistant to the permanent moisture coming from negative direction).
- Has high mechanical strength.
- Has low viscosity.

#### Consumption:

100 - 200 g/m<sup>2</sup> (for 100 μ thickness) (Varies depending on the absorption and the roughness of the surface and the method of application.)

#### Packaging:

In 20 kg tin cans sets (A+B)

#### Technical Properties

Components	: A: Epoxy resin, B: Hardener
Color	: Transparent
Mixture Ratio	: A: 7 kg, B: 13 kg
Mixture Density	: 1.12 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 600 ± 200 mPas (20°C)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 47% ± 2, by volume 45% ± 2
Pot Life	: ~ 80 minutes (23°C, 200 g)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 18 - 20 hours (23°C TS 4317)
Top Coat Time	: 48 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C) / 30 minutes (80°C)



## REPOX® 510

### Solvent-Free Epoxy Coating for Floors

#### Description:

**Epoxy** resin based, double component, **self-levelling**, solvent free floor coating material with high chemical resistance and mechanical strength and finishes in a flat surface.

#### Application Areas:

- Indoor,
- Horizontal applications,
- Hygienic environments, such as hospitals and laboratories,
- Wine, beverage (except concentrated fruit syrup), meat, fish and similar food industries,
- Medicine, dyestuff, paper, accumulator and fertilizer industries,
- Laundries, industrial kitchens and dining halls,
- Places exposed to heavy pedestrian traffic, such as shopping malls, terminals,
- Places exposed to heavy vehicle traffic such as factories, warehouses and parkings,
- Data processing and control centers.

#### Advantages:

- Does not contain solvent.
- Resistant to chemicals, water and inorganic acids.
- Has high mechanical and abrasion resistance.
- Hygienic and suitable for sterilised conditions, does not require maintenance.
- Can easily be cleaned thanks to its smooth surface.
- Forms a jointless surfaces, has a hard glassy appearance.

#### Consumption:

For 1 mm thickness 1.55 kg/m<sup>2</sup>. (Varies depending on the absorption, roughness of the surfaces and the method of application.) On self-levelling (A+B) coatings, the thickness must not be less than 1.25 mm. A second layer can be applied if required.

#### Packaging:

Sets of 30 kg (A+B) tin cans

#### Technical Properties

Components	: A: Epoxy resin, B: Hardener
Color	: Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Ratio	: A: 25.5 kg, B: 4.5 kg
Mixture Density	: 1.55 ± 0.05 kg/L (20°C TS EN ISO 2811-1) (A+B)
Compressive Strength	: 40 - 50 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 50 - 70 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 10 - 12 hours (23°C TS 4317)
Time to Use	: 72 hours (23°C TS 4317)
Top Coat Time	: Maximum 24 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® 520

### Textured Epoxy Coating for Floors

#### Description:

**Epoxy** resin based, double component, solvent-free, **thixotropic floor coating material** with an orange peel appearance (**textured**).

#### Application Areas:

- Indoor and outdoor,
- Horizontal applications, in places where anti-slipness is required,
- As a nonslip floor coating on ramps,
- Places exposed to heavy vehicle traffic, such as factories, warehouses and parking garages,
- Wine, beverage (except concentrated fruit syrup), meat, fish and similar food industries,
- Medicine, dyestuff, paper, accumulator and fertilizer industries,
- Laundries, industrial kitchens and dining halls,
- Places exposed to heavy pedestrian traffic, such as shopping malls or terminals,
- Data processing and control centers,
- Airplane maintenance hangars.

#### Advantages:

- Does not contain solvent.
- Makes the coating nonslip thanks to its textured surface.
- Resistant to chemicals, inorganic acids and water.
- Has high mechanical and abrasion resistance.
- Has high surface hardness.
- Hygienic and suitable for sterilised conditions, does not require maintenance.

#### Consumption:

450 - 600 g/m<sup>2</sup> (for 275 - 350 μ dry film thickness in single layer) (Varies depending on the absorption and roughness of the surface and the method of application.)

#### Packaging:

Sets of 30 kg (A+B) tin cans

#### Technical Properties

Components	: A: Epoxy resin, B: Hardener
Color	: Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Ratio	: A: 25.8 kg, B: 4.2 kg
Mixture Density	: 1.65 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 7.000 - 13.000 mPas (20°C)
Compressive Strength	: 40 - 50 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 50 - 70 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 60 - 90 minutes (23°C TS 4317)
Dry to Touch Time	: 6 - 8 hours (23°C TS 4317)
Time to Use	: 24 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® 550 Epoxy Paint and Coating

### Description:

**Epoxy** resin based, double component, solvent-free, durable and easy-to-clean **paint and coating** material with high surface hardness and high chemical, water and mechanical resistance.

### Application Areas:

- Indoor,
- Concrete and metal surfaces,
- As a paint on machinery, buildings and building parts made of metal,
- Hygienic places such as hospitals and laboratories,
- Water tanks,
- Wine, beverage (except concentrated fruit syrup), meat, fish and similar food industries,
- Laundries, industrial kitchens and dining halls,
- Factories, warehouses and parking garages,
- Data processing and control centers.

### Advantages:

- Does not contain solvent.
- Resistant to chemicals, inorganic acids and water.
- Has high mechanical and abrasion resistance.
- Hygienic and suitable for sterilised conditions, easy to clean.
- Has high surface hardness.

### Consumption:

200 - 400 g/m<sup>2</sup> for 125 - 250 µ dry film thickness in single layer (Varies depending on the absorption and roughness of the surface and the method of application). A second layer can be applied if required.

### Packaging:

Sets of 30 kg (A+B) tin cans

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Ratio	: A: 25.8 kg, B: 4.2 kg
Mixture Density	: 1.60 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 4,000 - 9,000 mPas (20°C)
Compressive Strength	: 40 - 50 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 10% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore D)	: 75 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 50 - 60 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 60 - 90 minutes (23°C TS 4317)
Dry to Touch Time	: 5 - 7 hours (23°C TS 4317)
Time to Use	: 24 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## REPOX® 560WB Waterborne Epoxy Paint and Coating

### Description:

**Epoxy** resin based, double component, durable and easy-to-clean, waterborne **paint and coating** material with high chemical, moisture, water and mechanical resistance.

### Application Areas:

- Indoor,
- In hygienic places such as hospitals and laboratories,
- Water tanks,
- Food industries,
- Shopping malls, terminals and schools,
- Factories, warehouses, tunnels and parking garages,
- As a paint on walls with smooth surfaces.

### Advantages:

- Waterborne, odorless.
- Does not contain solvent or harmful chemicals.
- Resistant to water and moisture (except continuous moisture exposure from negative direction).
- Mechanically resistant to light and medium loads.
- Hygienic and suitable for sterilised conditions.
- Has permanent semi opaque surface.

### Consumption:

150 - 250 g/m<sup>2</sup> for 115 - 195 µ dry film thickness in single layer (Varies depending on the absorption of the surface and the method of application).

### Packaging:

Sets of 25 kg (A+B) tin cans

Technical Properties	
Components	: A: Epoxy resin, B: Hardener
Color	: Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Ratio	: A: 15 kg, B: 10 kg
Mixture Density	: 1.30 ± 0.05 kg/L (20°C TS EN ISO 2811-1)
Viscosity	: 3,000 - 5,000 mPas (20°C)
Compressive Strength	: 40 - 50 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 6% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 100 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 75% ± 4, by volume 66% ± 4
Hardness (Shore D)	: 70 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 60 - 90 minutes (23°C, 200 g)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 3 - 4 hours (23°C TS 4317)
Dry to Touch Time	: 18 - 20 hours (23°C TS 4317)
Top Coat Time	: Maximum 24 hours (23°C TS 4317)
Time to Use	: 48 hours (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## POLAN® 590 Polyurethane Flexible Self-Levelling Coating

### Description:

**Polyurethane** based, double component, solvent-free, **flexible, self-levelling floor coating** material with mechanical strength.

### Application Areas:

- Indoor and outdoor,
- Horizontal applications,
- Hygienic places such as hospitals and laboratories,
- Food and medicine industries,
- Swimming and decorative pools,
- Places exposed to heavy vehicle and pedestrian traffic, such as shopping malls, factories, ateliers, warehouses, cold storage rooms.

### Advantages:

- Can be safely used indoor as it does not contain solvent.
- Flexible, covers cracks on the surface.
- Gives better results in surfaces that are exposed to resonance.
- Forms a seamless and jointless surface, resistant to aging.
- Resistant to salt water, solutions with salts, bases, diluted weak acids, gasoline and mineral oils.
- Has high mechanical and abrasion resistance.
- Hygienic, suitable for sterilised environments, does not require maintenance.
- Easy to clean thanks to its smooth surface.

### Consumption:

1.45 kg/m<sup>2</sup> for 1 mm dry film thickness (Varies depending on the absorption and roughness of the surface, and the application method. Do not consume less than 0.7 kg/m<sup>2</sup>.)

### Packaging:

Sets of 25 kg (A+B) tin cans

Technical Properties	
Components	: A: Polyurethane resin, B: Hardener
Color	: Standard RAL colors (Except metallic, phosphorous colors and colors beginning with 4000)
Mixture Ratio	: A: 20 kg, B: 5 kg
Mixture Density	: 1.45 ± 0.05 kg/L (23°C TS EN ISO 2811-1)
Compressive Strength	: 35 - 45 N/mm <sup>2</sup> (DIN 53504 TS 1967) 7 days
Flexural Strength	: 10 - 18 N/mm <sup>2</sup> (DIN 52371 TS 985) 7 days
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Tensile Elongation	: > 60% (DIN 53504 TS 1967) 7 days
Abrasion Resistance (Taber)	: < 60 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 100%, by volume 100%
Hardness (Shore A)	: 80 ± 5 (ASTM D 2240, DIN 53505)
Pot Life	: 30 - 40 minutes (23°C, 200 g, DIN 16945)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 1 - 2 hours (23°C TS 4317)
Dry to Touch Time	: 5 - 7 hours (23°C TS 4317)
Time to Use	: 72 hours (23°C TS 4317)
Top Coat Time	: No later than 24 hours from primer application (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## POLAN® AF

### Polyurethane Aliphatic Top Coat Paint (UV Resistant)

#### Description:

**Polyurethane/aliphatic** isocyanate based, double component, solventborne, **UV resistant, glossy** top coating which is resistant to scratching with high color stability and mechanical resistance.

#### Application Areas:

- Indoor and outdoor,
- Horizontal and vertical applications,
- Concrete, steel and wooden surfaces,
- Epoxy and polyurethane coverings,
- Outer surfaces of vehicles such as tanks, tankers and concrete mixers,
- As last coating in places open to atmospheric conditions where high UV resistance, color permanency and glossiness is required.

#### Advantages:

- Keeps the color stable, resistant to UV, does not turn to yellow.
- Resistant to atmospheric conditions.
- Glossy,
- Flexible, covers cracks on the surface.
- Resistant to scratches, resistant to aging.
- Resistant to salt water, salt solutions, bases, diluted weak acids, gasoline and mineral oils.
- Forms a seamless and jointless surface, does not require maintenance.
- Easy to apply with a airless spray gun or roller.
- Easy to clean thanks to its smooth surface.

#### Consumption:

80 - 150 g/m<sup>2</sup> for maximum 80 μ thickness in single layer (Varies depending on the absorption and roughness of the surface, and the application method. Recommended to apply minimum 2 layers.)

#### Packaging:

Sets of 20 kg (A+B) tin cans

Technical Properties	
Components	: A: Polyurethane resin, B: Hardener
Color	: Standard glossy RAL colors (Except metallic and phosphorous colors)
Mixture Ratio	: A: 16 kg, B: 4 kg
Mixture Density	: 1.25 ± 0.05 kg/L (23°C TS EN ISO 2811-1) (Changes depending on the color)
Viscosity	: 100 - 1100 mPas (23°C)
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Abrasion Resistance (Taber)	: 75 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 78% ± 2, by volume 67% ± 2 (Changes depending on the color)
Flash Point	: > 21°C
Pot Life	: 4 - 6 hours (23°C, 200 g)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 20 minutes (23°C)
Dry to Touch Time	: 60 minutes (23°C)
Time to Use	: 8 hours (23°C)
Top Coat Time	: No later than 24 hours from primer application (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## POLAN® AFM

### Polyurethane Aliphatic Top Coat Paint Semi-Matte Finish (UV Resistant)

#### Description:

**Polyurethane/aliphatic** isocyanate based, double component, solventborne, mechanically resistant, **UV resistant, semi-matte** top coating with high color stability and resistance to scratching.

#### Application Areas:

- Indoor and outdoor,
- Horizontal and vertical applications,
- Concrete, steel and wooden surfaces,
- Epoxy and polyurethane coverings,
- Floor coatings of sports fields,
- Outer surfaces of vehicles such as tanks, tankers and concrete mixers,
- Applications where glossiness is not required,
- As last coating in places open to atmospheric conditions where high UV resistance, color permanency and semi-matte finish looking is required.

#### Advantages:

- Semi-matte.
- Keeps the color stable, resistant to UV, does not turn to yellow.
- Resistant to atmospheric conditions.
- Flexible, covers cracks on the surface.
- Resistant to scratches, resistant to aging.
- Resistant to salt water, salt solutions, bases, diluted weak acids, gasoline and mineral oils.
- Forms a seamless and jointless surface, does not require maintenance.
- Easy to apply with a airless spray gun or roller.
- Easy to clean thanks to its smooth surface.

#### Consumption:

90 - 150 g/m<sup>2</sup> for maximum 80 μ thickness in single layer (Varies depending on the absorption and roughness of the surface, and the application method. Recommended to apply at least 2 layers.)

#### Packaging:

Sets of 24 kg (A+B) tin cans

Technical Properties	
Components	: A: Polyurethane resin, B: Hardener
Color	: Standard semi-matte RAL colors (Except metallic and phosphorous colors)
Mixture Ratio	: A: 20 kg, B: 4 kg
Mixture Density	: 1.35 ± 0.05 kg/L (23°C TS EN ISO 2811-1) (Changes depending on the color)
Viscosity	: 100 - 1100 mPas (23°C)
Bond Strength by Pull-off	: > 2 N/mm <sup>2</sup> (EN 1504-2) 7 days
Abrasion Resistance (Taber)	: 75 mg, 1000 cycle (EN 1504-2)
Impact Resistance	: Class III (EN 1504-2)
Capillary Absorption and Water Permeability	: w < 0.1 kg/(m <sup>2</sup> .h <sup>0.5</sup> ) (EN 1062-3)
Solid Content (Mixture)	: By weight 78% ± 2, by volume 67% ± 2 (Changes depending on the color)
Flash Point	: > 21°C
Pot Life	: 4 - 6 hours (23°C, 200 g)
Application Temperature	: Between +10°C and +30°C
Dirt Pick-up Time	: 20 minutes (23°C)
Dry to Touch Time	: 60 minutes (23°C)
Time to Use	: 8 hours (23°C)
Top Coat Time	: No later than 24 hours from primer application (23°C TS 4317)
Complete Curing Time	: 7 days (23°C TS 4317)



## DUROPAINT®

### Floor Paint

#### Description:

**Chlorine-rubber** resin based, thixotropic, cold and thick applied **marking and floor** paint.

#### Application Areas:

- Indoor and outdoor,
- Painting and marking parking garages, motorways (light traffic), pedestrian ways and curbsides,
- Factory floors where chemical resistance is not required extensively,
- Sport areas and playgrounds,
- Hotels, laundries and service areas.

#### Advantages:

- Economical compared to epoxy based paints.
- Does not require primer.
- Since it is single component, it is easy to use, saves time and labor.
- Forms a thick and a high abrasion resistant surface.
- Easily wiped and washed. Does not scratch and does not allow dirt pick-up.
- Dries fast (in 90 minutes) and the painted area gets ready for use quickly.

#### Consumption:

Approximately 250 g/m<sup>2</sup> on each layer (Varies depending on the absorption and roughness of the surface.) Minimum 2 layers are applied.

#### Packaging:

20 kg tin cans

Technical Properties	
Appearance	: Thixotropic paint
Density	: 1.40 ± 0.10 kg/L
Diluent	: Rapid thinner (Max. 15%)
Application Temperature	: Between +5°C and +30°C
Drying Time	: ~ 90 minutes (20°C)
Film Thickness	: Minimum 0.4 mm in one coat
Curing Time	: ~ 24 hours



## FIXA® Polyethylene Backer Rod

### Description:

Closed cell structured, **polyethylene (PE)** based backer rod, used in adjusting joint depth.

### Application Areas:

- Supporting the filler chemical used in joint and dilatation isolation,
- As joint filler in junctions of structural members such as doors and windows with the wall,
- To provide proper movements of joints by adjusting the joint depth,
- To prevent the filler chemical used in joints to bond to the floor and to offset the structure floor movement better.

### Advantages:

- Reduces costs by preventing excess use of fillers such as sealants.
- Does not bond to MS, hybrid and polyurethane sealants which are applied on it and moves inside the joint separately.
- Flexible and can be squeezed.
- Air and water impermeable.
- Prolongs the life of joint sealant.
- Neutral, does not emit odor.
- Easy to apply.

### Consumption:

Varies depending on the joint width.

### Packaging:

Diameter	Meter/Bag
6 mm	2.000
8 mm	1.200
10 mm	1.000
15 mm	500
20 mm	270
25 mm	180
30 mm	120
35 mm	100
40 mm	80
50 mm	50
60 mm	40
70 mm	20

### Technical Properties

Appearance	: Grey colored PE rod
Density	: 25 - 30 kg/m <sup>3</sup>
Heat Conductivity Coefficient (λ)	: 0.04 W/mK
Water Absorption Sensitivity	: 1.5% change in volume after 28 days in water
Water Vapor Diffusion Coefficient (μ)	: ≥ 3500
Service Temperature	: -40°C / +100°C



## POLIMIX Polypropylene Fiber

### Description:

**Polypropylene** based **fiber**, resistant to acids and alkaline, produced especially for concrete and mortars to **reduce the cracking** of concrete.

### Application Areas:

#### Field Concrete:

- Industrial floors, parking garages, hangar floors, airports,
- Machinery foundations exposed to abrasion,
- Water tanks, swimming pool concrete,
- Thin floorings.

#### Mortars:

- All types of plaster, repair and isolation purposed mortars.

#### Precast Elements:

- Concrete pipe manufacturing,
- All types of precast elements.

#### Shotcrete:

- All types of spray concrete applications.

### Advantages:

- Resistant to water and alkaline.
- Resistant to abrasion, increases resistance to impacts.
- Has high mechanical resistance due to effective dispersion in the concrete and low segregation.
- Since it prevents cracks, it can help waterproofing by removing capillary voids where water may leak in.
- Prevents shrinkage that results from water loss in fresh concrete by increasing tensile strength.
- Increases the resistance of concrete against fire.
- Reduces corrosion of metal reinforcement.
- Has lower cracking tendency.
- Increases strength against fractures on concrete edges and sides.

### Consumption:

600 - 900 g in 1 m<sup>3</sup> concrete depending on usage.

### Packaging:

In water soluble bags of 600 g or 900 g (Sizes from 3 mm, 6 mm, 12 mm, 19 mm... up to 60 mm are available.)

### Technical Properties

Appearance	: Transparent white fiber
Density	: ~ 0.91 kg/L
Tensile Strength	: 500 - 700 N/mm <sup>2</sup>
Modulus of Elasticity	: 2000 - 2800 N/mm <sup>2</sup>
Alkaline Reaction	: Stable
Acid Reaction	: Stable
Moisture Uptake	: 70% moisture and 21°C < 0.10%
Heat Resistance	: Melts at +165°C
Elongation	: 25%
Flash Point	: > 239°C



## STEELMIX Steel Wire for Concrete Reinforcement

### Description:

Low-carbon **steel wire**, produced by cold drawing method, especially for concrete, which provides **high flexural** and **impact strength** in concrete.

### Application Areas:

- All types of open and closed field floor concrete,
- Prefabricated elements, concrete pipes,
- Shotcrete applications,
- Anti-seismic structures.

### Advantages:

- Provides high resistance to impacts.
- Increases flexural strength by 50 - 70%.
- Provides strength against shrinkage and high resistance to dynamic loads and fatigue.
- Prevents crack formation and widening.
- Economical, increases construction speed.

### Consumption:

Can be used 10 - 45 kg in 1 m<sup>3</sup> concrete depending on requirement.

### Packaging:

25 kg packages

### Technical Properties

Appearance	: Grey steel wire
Elongation at Rupture	: < 2%
Wire Drawing Strength	: -1100 N/mm <sup>2</sup>

# CURING COMPOUNDS





## KURFIX® 200

### Acrylic Based, Waterborne Curing Compound

#### Description:

**Acrylic** emulsion based, white colored and waterborne liquid **curing** compound that prevents quick loss of water from the concrete.

#### Application Areas:

- Indoor and outdoor,
- All vertical and horizontal concrete surfaces,
- Right after fresh concrete and surface hardener applications,
- Concrete applications where the air flow and evaporation is high and the moisture is low,
- Airport and field concrete,
- Concrete roads and bridges,
- Canals.

#### Advantages:

- Increases the resistance of concrete.
- Prevents shrinkage cracks on the concrete surface caused by fast drying during curing.
- Has water repellent property.
- More effective than other curing methods such as sack or canvas laying or watering.
- **Does not contain solvent**, is not flammable, safe to use indoor.
- Does not obstruct resin and cement based applications on the cured surface.
- Easy to apply and labor-cost effective, economical.

#### Consumption:

200 - 300 g/m<sup>2</sup> (Varies depending on the absorption and roughness of the concrete surface.)

#### Packaging:

30 kg plastic jerrycans and 180 kg barrels

#### Technical Properties

Appearance	: White colored liquid
Appearance After the App.	: Light opaque transparent layer
Liquid Density	: ~ 1.07 kg/L (20°C)
Drying Time	: 2 hours (ASTM C 309)
Flash Point	: Not flammable

## KURFIX® 300

### Solvent Based Curing Compound

#### Description:

Transparent amber-yellow, **hydrocarbon resin** based, solventborne liquid **curing compound** that prevents quick loss of water from the concrete. Forms a film layer which reduces shrinkage cracks on the surface by preventing the water inside the fresh concrete from evaporating.

#### Application Areas:

- Indoor and outdoor,
- All vertical and horizontal concrete surfaces,
- Right after fresh concrete and surface hardener applications,
- Concrete applications where the air flow and evaporation is high and the moisture is low,
- Surfaces which will later be covered with paint, ceramics, epoxy etc.
- Airport and field concrete,
- Concrete roads and bridges,
- Canals and dams,
- Retaining walls.

#### Advantages:

- Increases the resistance of concrete.
- Prevents shrinkage cracks on the concrete surface caused by fast drying during curing.
- Has water repellent property.
- More effective than other curing methods such as sack or canvas laying or watering.
- Provides a more effective curing than the paraffin and acrylic based curing compounds.

#### Consumption:

150 - 180 g/m<sup>2</sup> (Varies depending on the absorption and roughness of the concrete surface.)

#### Packaging:

15 kg tin cans, 30 kg plastic jerrycans and 180 kg barrels.

#### Technical Properties

Appearance	: Transparent amber yellow colored liquid
Appearance After the App.	: Smooth, transparent film
Liquid Density	: ~ 0.90 kg/L (20°C)
Drying Time	: 40 minutes (ASTM C 309)
Flash Point	: +80°C

## KURFIX® 400

### Solvent Based Curing Compound and Surface Protector

#### Description:

Transparent yellow color, **hydrocarbon solvents** and **acrylic resin** based, solventborne liquid **curing compound** and **surface protector** which prevents quick loss of water and generates a protective layer, and reduces the abrasion by penetrating the capillary structure of the surface. Forms a film layer which reduces shrinkage cracks on the surface by preventing the water inside the fresh concrete from evaporating. Reduces surface abrasion by binding the particles on the surface stronger to each other.

#### Application Areas:

- Indoor and outdoor,
- All vertical and horizontal concrete surfaces,
- Concrete, brick, stone and plaster coated wall surfaces,
- Wooden, terracotta, concrete and screed floors indoors,
- Right after fresh concrete and surface hardener applications for curing purposes,
- Concrete applications where the air flow and evaporation is high and the moisture is low,
- Surfaces which will later be covered with paint, ceramics, epoxy etc.
- Airport and field concrete,
- Concrete roads and bridges,
- Canals and dams,
- Retaining walls,
- Terraces.

#### Advantages:

##### As Curing Material:

- Increases the resistance of the concrete.
- Prevents shrinkage cracks resulting from fast drying while concrete surface is cured.
- More effective than other curing methods such as sack or canvas laying or watering.
- Provides a more effective curing than the paraffin and acrylic based curing compounds.
- Compatible to cement, epoxy and polyurethane coatings.

##### As Surface Protector:

- Generates a harder and dust free surface that is resistant to abrasion, by binding particles to each other.
- Protects the surface against moisture and provides resistance to oil, light acids and chemicals.
- Has water repellent property.
- Prevents plaster against cracks formed due to frost by avoiding water inflow.
- Protects porous surfaces against dirt and dusting. Allows ease of maintenance.
- Penetrates fresh concrete, does not form layers thus does not peel off and allows the surface to breathe.

#### Consumption:

170 - 250 g/m<sup>2</sup> (Varies depending on the absorption and roughness of the concrete surface.)

#### Packaging:

14 kg tin cans and 165 kg barrels

#### Technical Properties

Appearance	: Transparent yellow colored liquid
Appearance After the App.	: Smooth, transparent layer
Liquid Density	: ~ 0.85 kg/L (20°C)
Drying Time	: 2 - 4 hours (ASTM C 309)
Flash Point	: + 80°C





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