



REPAIRING & FILLING MATERIALS





EBUFIX RM 30

REPAIR MORTAR FOR SUPERFICIAL REPAIRS (5-30 mm)

H.S:382440000000

DESCRIPTION

EBUFIX RM30 is a one component, R1 class, polymer modified, gross concrete, fine repair mortar with a thickness of 5-30 mm on the concrete surfaces where it is applied, in the form of thixotropic tray.

USAGE AREAS

In the repair and surface leveling of concrete structures,
In the repair and plastering of gross concrete surfaces,
Plastering and repair of walls and ceilings,
It is used in sub-ceramic concrete repair and surface plane.

CHARACTERISTICS

- High adhesion strength to concrete surfaces where it is applied.
- It provides smooth surface finish.
- Thanks to its non-shrink feature, cracks do not form.
- It does not crack and sag
- It provides good adhesion
- It is fiber reinforced
- It provides smooth surface finish

APPLICATION METHOD

Surface Preparation

Before applying EBUFIX RM30, the surface must be cleaned of dust, oil, paint and substances that prevent penetration such as curing.

Damaged areas on the surface should be repaired. The surface should be roughened to ensure adhesion.

Water leaking from the structure to the surface should definitely be stopped. Otherwise, leaking water dissolves the applied material without hardening.

The temperature of the surface to be applied should not be high. Surfaces should be saturated with water before application, and the surface should be free of water during application.

Mixing

EBUFIX RM30 is added to the water and mixed.

Water ratio 22% of the weight of the powdered product (do not use water with a pH value lower than 5.5)

First, 5-6 liters of water is placed in a bucket, then 25 kg of material in the bag is mixed and added to the water and stirred continuously for 4-5 minutes. After 2-3 minutes of rest and again stirring for 30 seconds, the application is started.

Application Conditions

- EBUFIX RM30 is applied to the moist concrete surface with a trowel.
- The mortar is expected to drain and the finishing work is done with a steel or wooden trowel by sprinkling water.
- In each application, the thickness should be between 5-30 mm.

Application Conditions

In high temperature environments; store the bag in the shade, use cold mix water, apply quickly and continuously in the morning and evening. In low temperature environments; store the bag indoors, use hot mix water, start applying it towards noon and make sure that the structure is not affected by frost.

Surface applied in extremely dry, windy and direct sunlight exposed environments should be protected for 24-48 hours.

CONSUMPTION

~ 19 kg/m² for 1cm thickness

PACKAGING AND STORAGE

25 kg Kraft Bag

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted

TECHNICAL DATA

Material structure	Cement-based powder
Color	Grey
Mixture density	1900 kg/m ³
Water mixture ratio	~ % 22
Application temperature	+5°C / +30°C
Service temperature	-20°C / +80°C
Compressive Strength)	≥ 10 N/mm ² (28 days)
Breaking strength	≥ 0,8 N/mm ²

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



EBUFIX RM 50

STRUCTURAL, THICK REPAIR MORTAR

H.S:382440000000



DESCRIPTION

EBUFIX RM50 is a ready to use, R4 class, cement based, impermeable, non-shrink, chlorine-free, fiber reinforced, thixotropic toward consistency, sulfate resistant, polymer modified, high performance structural repair mortar.

USAGE AREAS

In all reinforced concrete, reinforced concrete and precast structures that require structural repair and restoration, In balcony repair, column edges, floor surface repairs, Filling of tie rod holes, For the repair of gross concrete surfaces.

CHARACTERISTICS

- High adherence to concrete and steel.
- Freeze-thaw resistant.
- Resistance to chemicals.
- Resistance to sulphate, chlorine effects.
- It does not shrink. (non-shrink)
- The material can also be applied by spraying.
- It does not contain chlorine.
- It is fiber reinforced.
- It provides impermeability.
- It is resistant to high pressure.

APPLICATION METHOD

Surface Preparation

All loose parts on the application surface should be broken and cleaned and the surface should be roughened. The surface edges should be broken vertically and the depth should be at least 0.2 cm. The rust in the reinforcement should be cleaned, if necessary, new reinforcement should be added. If there is water leakage on the surface, water leakage and leaks should be prevented with EBUPROOF PLUG suddenly hardening plug. The surface should be completely free of adhesive substances such as oil and paint. Before application, the surface should be moistened; it is saturated with water in extremely hot and windy weather.

Mixing

25 kg of powder material is added to 4.5 kg of water depending on the ambient temperature. (water ratio 18%) The required amount of water is placed in a clean bucket. The necessary powder product is added on it and it is mixed with a mixer until a homogeneous and lump-free mortar is obtained. After the material is rested for 1-2 minutes, it is started to be applied by mixing for 1 minute.

Application

EBUFIX RM50 mortar is applied by trowel or spray. It can be applied in a single layer up to 50 mm thickness. For applications over 50 mm, it can be applied 2-3 times using reinforcement. Additional coat applications should be performed after 24 hours. The final leveling and finishing is done at the beginning of the mortar setting with a wooden or plastic trowel.

Application Conditions

In high temperature environments; store the bag in the shade, use cold mix water, apply quickly and continuously in the morning and evening. In low-temperature environments; store the bag indoors use hot mix water, start applying it towards noon and make sure that the structure is not affected by frost. Surface applied in extremely dry, windy and direct sunlight exposed environments should be protected for 24-48 hours.

CONSUMPTION

~ 20,5 kg / m² for 1 cm thickness

PACKAGING AND STORAGE

25 kg Kraft Bag
In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Material structure	Cement-based powder
Color	Grey
Mixture density	2050 kg/m ³
Water mixture ratio	18%
Workability time	60 minutes (20°C)
Waiting time between coats	3-4 hours
Application temperature	+5°C / +30°C
Application thickness	3-50 mm
Chloride ion content ≤	≤ 0.05
Compressive Strength ≥ 4	≥ 45 N/mm ² (28 days)
Breaking strength	≥ 2 N/mm ²

87The above values are given at +20L°oCreamndipfosrum50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.





EBUFIX GROUT

HIGH STRENGTH, CEMENT BASED GROUT MORTAR

H.S:382440000000

DESCRIPTION

EBUFIX GROUT is a ready to use, R4 class, cement based, non tensile mounting mortar with a flowable consistency for applications between 1-10 cm.

USAGE AREAS

In light and heavy machine foundation fillings, bearing, 'grouting' and assembly works,
In generators, diesel engines, gas and steam turbines, etc.
In the manufacture of curtains and column headboards,
In the assembly of prefabricated concrete building elements.

CHARACTERISTICS

- It is resistant to chemicals such as oil, chlorine, sulfate.
- It does not shrink. (non-shrink)
- It is resistant to freeze & thaw.
- It has high adhesion strength to concrete and steel reinforcement.
- It is resistant to impact & vibration.

APPLICATION METHOD

Preparation of the Machine and Foundation

All loose parts in the concrete to be placed on the machine should be cleaned and the surface should be made slightly rough.
The bolt and base plate must be completely free of substances such as oil and dust.
The air release holes for the base plate must be drilled in advance.
The machine position should not be changed at all after the machine is placed and the scale is adjusted.
If the adjustment blocks are to be removed later, they must be lightly lubricated.
Before pouring the mortar, the foundation concrete should be saturated with water and free water should be taken before application.

Preparation of Molds

Molds should be made of mortar resistant material.
From the side where the mortar will be poured, a casting gap of 15-20 cm should be left between the base plate and the mold.
On the other hand, a gap of 5-10 cm should be left.
A margin of 5-10 cm should also be left for mortar height.
For oversized plates, the height can be 1.5 m and the first batch is fluidized by adding 10% water to the casting to increase workability.



Application

No other machinery should be operated near the machine where the assembly mortar will be made, until the mortar hardens. The mortar is poured from one side continuously. The mortar should never be poured from both sides. Good filling of the mortar can be achieved by moving back and forth under the plate with a flexible steel whip. If the exposed edges are desired to be broken after

CONSUMPTION

19.5 kg/m² for 1 cm thickness (1950 kg / m³)

PACKAGING AND STORAGE

25 kg Kraft Bag

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Material structure Cement based powder
Color Grey
Mixture density 1950 kg/m³
Water mixture ratio 16%
Workability time 30-45 minutes (20°C)
Capillary water absorption 0.5 kg / (m².hours 0.5)
Service temperature -30°C / +90°C
Application thickness 1-10 cm
Compressive Strength ≥ 60 N/mm² (28 days)
Bending Strength ≥ 9 N/mm² (28 days)
Breaking strength ≥ 2 N/mm²

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



EBUFIX GROUT RAP

FAST CURING CEMENT BASED GROUT & REPAIR MORTAR

H.S:382440000000



DESCRIPTION

EBUFIX GROUT RAP is a ready to use, cement based, impermeable, non-shrink, especially high early strength, polymer modified, fast curing fluid repair and grout mortar for 1-4 cm applications

USAGE AREAS

Around the loophole and manhole covers,
In light and heavy machine foundation fillings, bearing, 'grouting' and assembly works,
In generators, diesel engines, gas and steam turbines, etc.
In the manufacture of curtains and column headboards,
In the assembly of prefabricated concrete building element

CHARACTERISTICS

- It can be opened to traffic in 2 hours.(fast curing)
- It is resistant to chemicals such as oil, chlorine, sulfate.
- It does not shrink. (non shrink).
- It is resistant to freeze and thaw.
- It has high adhesion strength to concrete and steel reinforcement.
- It is resistant to impact and vibration.

APPLICATION METHOD

Preparation of the Machine and Foundation

All loose parts in the concrete to be placed on the machine should be cleaned and the surface should be made slightly rough. The bolt and base plate must be completely free of substances such as oil and dust.

The air release holes for the base plate must be drilled in advance. The machine position should not be changed at all after the machine is placed and the scale is adjusted. If the adjustment blocks are to be removed later, they must be lightly lubricated.

Before pouring the mortar, the foundation concrete should be saturated with water and free water should be taken before application.

Mixing

12-14% water is put into the stirrer first. (3.00 - 3.50 lt / 25 kg powder material)
EBUFIX GROUT RAP is added to the water quickly and continuously. After the bag is empty, it is mixed for 4-5 minutes until a homogeneous and lump free mortar is obtained.

Application

EBUFIX GROUT RAP mortar is fluid and hardens quickly. Therefore, it is applied by pouring or pumping immediately after mixing with water. (within 5-8 minutes)
The mortar should be poured continuously and from one side. It can be applied 1-4 cm on one layer.
Molds should not be taken before 15 minutes.

CONSUMPTION

19.5 kg/m² for 1cm thickness (1950 kg / m³)

PACKAGING AND STORAGE

25 kg Kraft Bag

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Material structure	Cement based powder
Color	Grey
Mixture density	1950 kg/m ³
Water mixture ratio	12-14%
Workability time	30-45 minutes (20°C)
Capillary water absorption	0,5 kg / (m ² .hours0,5)
Service temperature	-30°C / +90°C
Application thickness	1-4 cm
Compressive Strength ≥	≥ 60 N/mm ² (28 days)
Bending Strength ≥	≥ 9 N/mm ² (28 days)
Breaking strength ≥	≥ 2 N/mm ²

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



REPAIRING & FILLING MATERIALS

ebuchem
CONSTRUCTION CHEMICALS



EBUPOX R800

TWO-COMPONENT, SOLVENT-FREE, REPAIR
& ANCHORAGE MORTAR

H.S:390730000000

DESCRIPTION

EBUPOX R800 is a two-component, solvent-free, non-shrinkage, thixotropic epoxy repair, anchorage and bonding mortar.

USAGE AREAS

- In the assembly and bonding of all kinds of steel and concrete elements,
- In the fixing injection dowels, filling cracks, planting sprouts,
- In the bonding of dilatation tapes,
- For bonding old concrete and new concrete.

CHARACTERISTICS

- Since it is thixotropic/trowel consistency, it does not sag.
- Strong adhesion to structures such as concrete, metal, wood, stone.
- It does not shrink. (non-shrink), It does not precipitate and sediment, It can be applied in dry or slightly humid environments.
- It provides impermeability against mineral oils, petroleum and acids.
- It has high resistance to seawater, diesel, gasoline, cleaning materials.
- It is resistant to vibration, It is impermeable to water and gas.
- No primer required.
- It can be conveniently used for reinforcement and anchoring works, It can be opened to pedestrians in 24 hours and heavy traffic in 7 days.

APPLICATION METHOD

Surface Preparation

- Clean the surface to remove oil, rust, and paint.
- Roughen the surface if needed, based on the condition of the concrete.
- Clean and add new reinforcement if existing reinforcement is rusty.
- Apply to concrete that is at least 28 days old and has a dry or slightly damp surface.
- Use sand or a brush to remove any debris from steel surfaces until shiny metal is visible.

Mixing

- Component B is added into component A and mixed with a low-speed mixer for 3-4 minutes.
- Considering the pot life, the material should be mixed as necessary. At high temperatures, the pot life of the material is reduced.

Application

- Apply EBUPOX R800 to the surface using a spatula or trowel immediately after mixing. Each layer should have a thickness between 2-30 mm.
- Apply additional coats once the previous layer has hardened (after 18-24 hours).
- If immediate application to a metal surface is not possible, use a primer.
- When bonding two materials, apply the product to both surfaces.
- After applying the desired thickness, press the bonded parts together until polymerization is complete.

CONSUMPTION

1.70 kg / m² / 1 mm

PACKAGING AND STORAGE

5 kg Tin (set: 3.75 kg (A) + 1.25 kg (B)).

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Specific gravity	1.70 kg/lit (A+B)
Color	Grey
Working time	45-60 minutes (20°C)
Initial hardening	12-18 hours (20°C)
Full Curing	7 days (20°C)
Application temperature	+5°C / +30°C
Service temperature	-15°C / +90°C
Adhesion to steel	3,5 N/mm ² (28 days, 20°C)
Adhesion to concrete	4 N/mm ² (28 days, 20°C)
Compressive strength	75 N/mm ² (7 days, 20°C)
Bending strength	25 N/mm ² (7 days, 20°C)
Tensile strength	18 N/mm ² (7 days, 20°C)

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



EBUPOX R810

TWO COMPONENT EPOXYBASED REPAIR MORTAR

H.S:390730000000



DESCRIPTION

EBUPOX R810 is a two-component, solvent-free, high-pressure strength, thixotropic epoxy repair mortar.

USAGE AREAS

- On all concrete and cement based surfaces,
- In the repair of industrial floors,
- As a floor covering where there is heavy vehicle traffic.

CHARACTERISTICS

- Thixotropic/trowel consistency prevents sagging.
- Does not precipitate or sediment.
- High compressive strength.
- Provides impermeability to mineral oils, petroleum, and acids.
- High resistance to seawater, diesel, gasoline, and cleaning materials.
- Resistant to vibration, No primer required.
- Pedestrian access in 24 hours, heavy traffic in 7 days.

APPLICATION METHOD

Surface Preparation

- The surface to be applied should be cleaned and free of foreign substances such as oil, rust, paint.
- The surface should be roughened if necessary according to the concrete surface condition.
- If the reinforcement in the concrete is rusty, it should be cleaned and new reinforcement should be added if necessary.
- The concrete to be applied must be at least 28 days old and the concrete surface must be dry.
- The amount of moisture on the surface should be below 4%.

Mixing

- Component B is added into component A and mixed with a low-speed mixer for 3-4 minutes.
- Considering the pot life, the material should be mixed as necessary. At high temperatures, the pot life of the material is reduced.

Application

- EBUPOX R810 is applied to the surface with spatula or trowel immediately after mixing.
- Additional coat applications should be performed after the previous layer has hardened. (18-24 hours)
- At temperatures below +5 °C or in cases where the temperature is expected to fall below +5 °C within 24 hours following the application, the application should not be performed.



CONSUMPTION

2.00 kg / m² / 1 mm

PACKAGING AND STORAGE

25 kg Tin(set: (24 kg (A) + 1 kg (B)

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Specific gravity	1.90 kg/lit (A+B)
Color	Sand Yellow
Working time	40 minutes (20°C)
Initial hardening	24 hours (20°C)
Full Curing	7 days (20°C)
Application temperature	+5°C / +30°C
Service temperature	-15°C / +90°C
Adhesion to concrete	4 N/mm ² (28 days, 20°C)
Compressive strength	70 N/mm ² (7 days, 20°C)
Bending strength	28 N/mm ² (7 days, 20°C)

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.





EBUPOX R820

TWO COMPONENT, SOLVENT-FREE DILATATION
BONDING & REPAIR MORTAR

H.S:390730000000

DESCRIPTION

EBUPOX R820 is a two-component, solvent-free, moisture-tolerant, thixotropic epoxy repair and bonding mortar that does not shrink.

USAGE AREAS

- In the bonding of dilatation tapes, Indoors and outdoors.
- In the assembly and bonding of all kinds of steel and concrete elements,
- In the repair and bonding of all kinds of materials such as concrete, marble and stone.

CHARACTERISTICS

- It has high adhesion strength.
- Since it is thixotropic/trowel consistency, it does not sag.
- Strong adhesion to structures such as concrete, metal, wood, stone.
- It does not shrink. (non-shrink)
- It does not precipitate and sediment.
- It provides impermeability against mineral oils, petroleum and acids.
- It is resistant to vibration, No primer required.
- It can be opened to pedestrians in 24 hours and heavy traffic in 7 days.

APPLICATION METHOD

Surface Preparation

- The surface to be applied should be cleaned and free of foreign substances such as oil, rust, paint.
- According to the concrete surface condition, if necessary, the surface should be roughened and free of particles and dust.
- The concrete to be applied must be at least 28 days old and the concrete surface must be dry or slightly damp.

Mixing

- Component B is added into component A and mixed with a low-speed mixer for 3-4 minutes.
- Considering the pot life, the material should be mixed as necessary.
- At high temperatures, the pot life of the material is reduced.

Application

- Apply EBUPOX R820 to the surface using a spatula or trowel immediately after mixing.
- Apply a 1.5 mm thick and 40 mm wide strip of the product on both sides of the dilatation to bond the elastic dilatation tapes.
- After laying the dilatation tape, apply the same product on top of the tape and protect the surface until the adhesive is completely dry to prevent mechanical damage.
- When using the product between two materials, apply it to both surfaces.
- Press the bonded parts together until polymerization is complete after applying the desired thickness.
- Each layer should have a thickness between 2-30 mm.
- Apply additional coats once the previous layer has hardened (after 18-24 hours).
- If immediate application to a metal surface is not possible, use a primer.

CONSUMPTION

1.80 kg / m² / 1 mm

PACKAGING AND STORAGE

5 kg Tin (set (4 kg A + 1 kg B)).

Shelf life when stored in its original packaging at +10°C / +30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 12 months from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Specific gravity	1.70 kg/lit (A+B)
Color	Gray
Working time	45-60 min. (20°C)
Initial hardening	12-24 hours (20°C)
Full Curing	7 days (20°C)
Service temperature	-15°C / +90°C
Application temperature	+5°C / +30°C
Compressive strength	40 N/mm ² (7days, 20°C)
Bending strength	25 N/mm ² (7days, 20°C)
Adhesion strength	3,6 N/mm ² (7days, 20°C)

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



EBUPOX GROUT

FLUID EPOXY BASED ADHESIVE, REPAIR &
GROUT MORTAR

H.S:390730000000



DESCRIPTION

EBUPOX GROUT is a three-component, solvent-free, non-shrinkage, self-levelling epoxy repair, anchorage, grout mortar that can be applied in 4-50 mm thickness.

USAGE AREAS

- In the bridge carrier plates, On metal columns,
- On the crane rail lines,
- In the machine foundations on concrete,
- On the fastening bolts, In non-flexible joints,
- In the anchoring of prefabricated structures,
- In the bonding of materials such as concrete, wood, metal,
- In the works of planting iron ore in concrete,
- In the crack repair of precast, reinforced concrete,
- In floor repair and levelling works.

CHARACTERISTICS

- Fast application thanks to self levelling feature
- High wear and impact resistance
- High adhesion to structures such as concrete, steel, wood, stone
- It does not shrink. (non-shrink)
- It does not precipitate and sediment
- It can be applied in dry or slightly humid environments
- Impermeability to mineral oils, oil, acid and water
- It is resistant to vibration, No primer required
- It can be opened to pedestrians in 24 hours and heavy traffic in 7 days

APPLICATION METHOD

Surface Preparation

- Clean the surface to be applied, and if necessary, roughen it and remove foreign substances such as oil, rust, paint, and dust.
- Apply to concrete that is at least 28 days old and has a dry or slightly damp surface.
- Use sand or a brush to remove any debris from steel surfaces until shiny metal is visible.
- Clean rust from the reinforcement and add new reinforcement if necessary.
- For machine foundations:
 - Clean the concrete surface and roughen the area to be grouted.
 - Ensure the bolt and base plate are clean.
 - Pre-drill air release holes for the base plate in advance.
 - After placing the machine and taking measurements, avoid changing its position.
 - Apply a light lubricant to the adjustment wedges to prevent mortar from sticking.

Preparation of Molds

- Use solid molds with no gaps in the edges.
- Leave a 5 cm casting gap between the base plate edge and the mold for pouring grout mortar.
- Consider using polyethylene to prevent sticking to the mold walls.

Mixing

- Component B is added into component A and stirred with a low speed stirrer for 1-2 minutes. Then, add dry and powdered component C and stir for about 3-4 minutes until a homogeneous mixture is obtained and does not create air bubbles

Application

Pour EBUPOX GROUT into mold cavities or onto the surface immediately after mixing. (4-50 mm thickness)

In repair applications, pour the mortar onto the surface and spread it evenly with a toothed trowel. Protect from external influences in hot, dry, and windy environments for 48 hours.

In grout applications, pour the mortar from one side of the mold continuously and use a steel wire with a hook tip to ensure proper placement. Do not remove the molds for 24 hours and the adjustment wedges for 2 days.

Check the bolts after the machine is commissioned. Protect from external influences in warm, dry, and windy environments for 48 hours.

CONSUMPTION

2,0 kg / m² / 1mm

In filling operations, the application thickness should be maximum 5 cm in each layer, and additional layers should be applied after the previous layer has hardened, on average 4-5 h

PACKAGING AND STORAGE

15 kg Tin (set: (2 kg A + 1 kg B + 12 kg C)).

In its original packaging, when stored in ventilated, dry and protected environments at +5°C / +25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Mixture density	2.0 ± 0.05 kg/liter
Working time	30 minutes (20°C)
Initial hardening	6 hours (20°C)
Full hardening	7 days (20°C)
Application temperature	+5°C - +40°C
Service temperature	-15°C - +80°C
Compressive strength	> 80 N / mm ² (7 days)
Bending strength	> 30 N / mm ² (7 days)
Adhesion to concrete	> 2 N / mm ² (7 days)
Adhesion to steel	> 2 N / mm ² (7 days)
Color	Grey

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.





EBUPOX 2CINJ

EPOXY BASED INJECTION SYSTEM FOR
STRENGTHENING PURPOSES

H.S:382440000000

DESCRIPTION

EBUPOX 2CINJ is an epoxy based, two-component, non-filling injection resin that fills the fractures and cracks formed in the structural elements where it is injected as an excellent diffusion thanks to its low viscosity.

USAGE AREAS

- In damaged concrete, columns, beams, walls and similar building elements.
- To reinforce the structure by filling the static cracks in reinforced concrete, stone and full brick structures.

CHARACTERISTICS

- Low viscosity, it diffuses very well to the structures.
- It fills the crack where it is injected without losing volume and allows it to adhere.
- It can be injected into damp concrete.

APPLICATION METHOD

Surface Preparation

- Cracks up to the surface are opened along the crack to form an inverted cone approximately 5 - 10 mm wide and 10 - 12 mm deep. Dust, dirt, etc. are removed with compressed air.

Application

- Packers are used to facilitate the injection of EBUPOX 2CINJ epoxy resin into concrete cracks.
- Packers are placed into drilled holes to provide access for resin injection.
- Injection is performed using an injection pump and the resin is injected through the packers' nozzles.
- Special pumps, such as single or double-headed pumps, are used for the injection process.
- A single-headed pump is used for quick injections, while a double-headed pump is preferred for longer durations.
- The working pressure during injection should not exceed 5 bar.
- Injection relies on capillary pressure for resin propagation rather than increased pump pressure in capillaries.



CONSUMPTION

Variable

PACKAGING AND STORAGE

6 kg Tin (set: 4 kg (A) + 2 kg (B)).

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Specific gravity	1.10 kg/lit (A+B)
Color	Transparent
Viscosity	200-300 MPa.s
Application temperature	+5°C / +35°C
Flash Point	+65°C
Adhesion to concrete	2 N/mm ² (28 days, 20°C)
Compressive strength	65 N/mm ² (7 days, 20°C)
Adhesion to steel	3,5 N/mm ² (28 days, 20°C)
Bending strength	25 N/mm ² (7 days, 20°C)

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



EBUPOX P300

POLYESTER BASED ANCHOR & MOUNTING RESIN
CHEMICAL DOWEL

H.S:382440000000



DESCRIPTION

EBUPOX P300 chemical anchor dowel is a two-component, gun-applied, cake-like, polyester based anchorage and assembly resin.

USAGE AREAS

- In building materials such as bricks, briquettes,
- In seedling works as chemical dowels,
- In fixing the injection apparatus,
- In anchorage and assembly works subject to light loads.

CHARACTERISTICS

- It is easy to apply with its special gun.
- It sets fast.
- It does not sag.
- It can be applied to slightly damp surfaces.
- It provides high resistance to chemicals such as sea water, jet fuel, oil, and medium resistance to soda and diluted acid solutions.
- It can be used in hollow elements.

APPLICATION METHOD

- Holes of the correct diameter and depth are drilled using a drill.
- The inside of the holes is thoroughly cleaned using a brush and compressed air to remove any debris.
- The cartridge containing the anchor material is loaded into an application gun.
- The pressing action is initiated, but the first mixture from the cartridge is not used until a homogeneous color is obtained.
- The tip of the stirrer is inserted deep into the hole, and approximately half of the hole is filled with the material.
- The anchor material is carefully inserted into the hole by slowly and slightly turning it.
- The gun is retracted to fill the remaining part of the hole.
- Any excess material overflowing from the hole should be removed before it hardens.
- It is important not to disturb the fastener until the specified loading time has elapsed, and the material should be allowed to fully cure.



CONSUMPTION

Variable

PACKAGING AND STORAGE

345 ml cartridge.

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TENSILE LOAD ON CONCRETE

Crude metal diameter (mm)	Hole diameter (mm)	Hole depth (mm)	Tensile load (mm)
8	10	80	7
10	12	100	12
12	14	120	16

TECHNICAL DATA

Density	1.7 kg / lt
Solid material	100%
Service temperature	-30°C / +95°C
Application temperature	+5°C / +35°C
Re-coating time	1 hour (+20°C)
Full Curing Time	1 day (+20°C)

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



REPAIRING & FILLING MATERIALS

ebuchem
CONSTRUCTION CHEMICALS



EBUPOX V300

EPOXY BASED ANCHORING & MOUNTING RESIN
CHEMICAL DOWEL

H.S:382440000000

DESCRIPTION

EBUPOX V300 is a two-component, gun-applied, high-strength, paste-like, 100% epoxy-based anchorage and assembly resin.

USAGE AREAS

- In structures such as concrete, brick, briquette, In seedling works as chemical dowels,
- In the anchoring of bolts and pins,
- For crack filling and repairs,
- In fixing the injection apparatuses.

CHARACTERISTICS

- It is easy to apply with its special gun.
- It sets fast.
- It provides high early strength.
- It does not crack, sag and pull.
- It protects iron reinforcements against corrosion.
- It can be applied to slightly damp surfaces.
- It provides high resistance to chemicals such as sea water, jet fuel, oil, and medium resistance to soda and diluted acid solutions.
- It can be used in anchorage works where high strength is desired.
- It shows high resistance to impacts.
- It can be easily used in high temperatures.
- It gets cured even in aquatic environments.
- It does not contain solvents and styrene.

APPLICATION METHOD

- The hole is drilled to the correct diameter and depth using a hammer drill.
- The inside of the hole is thoroughly cleaned using a brush and compressed air to ensure it is free from debris.
- The cartridge containing the anchor material is loaded into the application gun.
- Pressing is initiated, but the first mixture from the cartridge is not used until a homogeneous color is achieved.
- The tip of the stirrer is inserted as deep as possible into the hole, and approximately half of the hole is filled with the material.
- The gun is retracted to fill the remaining portion of the hole.
- The anchor material is immediately placed in the hole by slowly and slightly turning it.
- Any excess material overflowing from the hole should be removed before it hardens.
- It is important to refrain from touching the fastener until the specified loading time has passed, and care should be taken to ensure that the material is fully cured.



CONSUMPTION

Variable

PACKAGING AND STORAGE

345 ml cartridge.

In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+25°C, protected from sun, rain and frost, its shelf life is 1 year from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TENSILE LOAD ON CONCRETE

Crude metal diameter (mm)	Hole diameter (mm)	Hole depth (mm)	Tensile load (mm)
8	10	80	10
10	12	100	15
12	14	120	22
14	16	140	28
16	20	160	35
20	25	200	50

TECHNICAL DATA

Content	100% epoxy resin
Solid material	100%
Service temperature	-30°C / +95°C
Application temperature	+5°C / +35°C

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.











EBUPOL PAR

SOLVENT FREE POLYURETHANE TILE/PARQUET
RUBBER ADHESIVE

H.S:390950100000

DESCRIPTION

EBUPOL PAR is a two-component, water and frost resistant, polyurethane based, multi-purpose, adhesive mortar for large-sized coating materials such as ceramic, granite, wood, parquet, with high adhesive strength and high elasticity.

USAGE AREAS

- Suitable for fixing coating materials with low water absorption rate on solid, dust-free, and low water absorption surfaces such as cement-based plaster, screed, primed concrete, metal, and wooden surfaces.
- Can be used both indoors and outdoors on horizontal and vertical surfaces.
- Provides secure adhesion while accommodating heat changes, surface movements, and form changes such as expansion and shrinkage.
- Ideal for environments and surfaces that require high elasticity and strength.
- Can be applied on old ceramic-coated surfaces.
- Suitable for ceramic bonding applications on horizontal and vertical floors.
- Can be used on metal or wooden floors.
- Effective for fixing coating materials like ceramic and granite ceramic to various surfaces including concrete, metal, wood, chipped cement board (betopan), wood, and drywall.
- Suitable for fixing parquet.
- Can be used in underfloor heating applications.

CHARACTERISTICS

- It has high elasticity and adhesion strength.
- It has high tensile-rupture strength.
- It is resistant to water and frost.
- It is easy to prepare and apply, does not contain solvent.
- It has high elasticity and high adhesion strength.
- It is anti-slip for vertical application.

APPLICATION METHOD

Surface Preparation

- Ensure the surface is solid and clean.
- Repair any surface defects at least 6-8 hours prior to adhesive application.
- Remove rust from metal surfaces if present.
- For surface temperatures above 30°C, moisten the surface and maintain a maximum moisture rate of 2% during application.
- Moisture content should not exceed 0.5% on plaster or anhydrous surfaces.
- Apply primer on absorbent surfaces like gypsum, waiting 24 hours before starting the application.
- Renew unstable parts on wooden surfaces and fix wooden coating material joints at 30 cm intervals to prevent vibration.

Mixing

- It is ready to use product that is filled in bucket.
- It should be mixed in its bucket with low speed mixer.

Application

- EBUPOL PAR is directly applied on the surface by notched trowel.
- Joints should be applied during tile application.

Issues to be Considered in Practice

Place ceramics within 15-20 minutes after applying EBUPOL PAR. Do not apply the material if the ground temperature is below +5°C. Protect the material from rain, frost, and direct sunlight for the first 12 hours after application.

CONSUMPTION

Ceramic size	Notched Trowel	Consumption
>10x10 cm	6 mm	4-5 kg/m ²
>15x15 cm	8 mm	4,5-5,5 kg/m ²
>30x30 cm	8 mm	5,5-6,5 kg/m ²
<30x30 cm	10 mm	5,5-7 kg/m ²

PACKAGING AND STORAGE

10 kg Tin (set: 9 kg (A) + 1 kg (B)).

Shelf life when stored in its original packaging at +10°C / +30°C in dry, protected and ventilated environments, protected from sun, rain and frost, is 12 months from the date of manufacture.

SAFETY PRECAUTIONS

Gloves, protective clothing, masks/goggles should be used during mixing and application, and contact of the product with eyes, mouth and skin should be prevented. In case of contact with skin, it should be washed with plenty of water, and in case of contact with eyes and swallowing, a doctor should be consulted.

TECHNICAL DATA

Initial shear adhesion strength	≥ 2 N/mm ²
Shear adhesion strength after immersion in water	≥ 2 N/mm ²
Shear adhesion str. after thermal shock	≥ 2 N/mm ²
Tensile adhesion str. after open holding time (after 20 minutes)	≥ 0,5 N/mm ²
Slip	≤ 0,5 mm
Operation time	45-60 minutes
Service temperature	-20°C / +80°C
Ground temperature	+5°C / +30°C

The above values are given at +20°C and for 50% relative humidity. High temperatures shorten the time, low temperatures prolong the time.



EBUPOL PVC

SOLVENT FREE POLYURETHANE PVC/ CARPET ADHESIVE

H.S:390950100000



DESCRIPTION

Dispersion adhesive with low filler content for thin application in interior areas.
Ready to use, water based dispersion adhesive for use as a wet bond adhesive requiring only short open time and can also be used with double drop method for maximum immediate grab.

USAGE AREAS

Homogeneous and heterogeneous PVC and cushioned vinyl floor coverings
Carpets, PVC and latex backings
Lightweight needlepunch floorings
Prepared, level and absorbent subfloors
Domestic and commercial locations

CHARACTERISTICS

Aqueous polymer dispersion, mineral based fillers, preservation agents, fibres, additives and water.
Easy to apply with high coverage
Excellent grab
Short open time & long working time
High final strength
Good resistance to plasticisers
Solvent free
Suitable for use on warm water underfloor heating systems and suitable for cleaning with spray extraction systems.

APPLICATION METHOD

Surface Preparation

The floor must be levelled and cleaned from materials which would impair adhesion on the surface.
Thoroughly vacuum the surface then apply primer.

Application

Apply the adhesive evenly onto the floor using a suitable notched trowel (see "Consumption") and allow open time as appropriate for the quantity applied, climatic conditions, substrate absorbency and type of covering.
Lay in the covering, rub down over the whole surface and, after approx. 20 minutes, rub down with pressure or roll.

Application Conditions

Optimum working conditions 18 - 25 °C, floor temperature above 15 °C
Relative Humidity below 75 %
Low temperatures & high humidity lengthen the working, setting and drying times.
High temperatures & low humidity shorten the working, setting and drying times.
Leave until the adhesive is fully set (min. 24 hours but ideally 48 - 72 hours)

CONSUMPTION

Backing	Trowel Notch	Consumption
smooth	A1	300 - 350 g/m ²
lightly textured	A2	350 - 400 g/m ²

PACKAGING AND STORAGE

20 kg buckets

Minimum shelf life 12 months in original packaging and in relatively cool storage conditions. Protect from frost.
Tightly seal opened containers and use the contents as quickly as possible.

SAFETY PRECAUTIONS

Contact of the product with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. If swallowed, drink a few glasses of water immediately and seek medical advice. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained.
Gloves and protective goggles should be used during use.

TECHNICAL DATA

Package:	6 kg & 20 kg plastic bucket
Shelf life:	min. 12 months
Colour:	cream & white
Working temperature:	min. 15 °C
Consumption:	0,300 - 0,400 g/m ²
Open time:	10 - 15 minutes*
Working time:	approx. 35 minutes*
Set to traffic:	after 24 - 48 hours*
Final Strength:	after 3 - 4 days*

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.





EBUPOL DIL

TWO COMPONENT, POLYURETHANE BASED, POURABLE ISOLATION MATERIAL

H.S:390950100000

DESCRIPTION

Two component, polyurethane based, pourable isolation material used for wide dilatation joints (>10-15 cm). Creates an extremely elastic film curing with the humidity in the air. Can be applied in a wide temperature range. Suitable only for horizontal joints

USAGE AREAS

- is used isolation and dilatation material for wide dilatation joints (>10-15 cm).

CHARACTERISTICS

- Easily applied because of self levelling characteristic.
- Highly elastic structure.
- Adhesion on all surfaces (especially on primed surfaces)
- Maintains elasticity even under -40 °C.
- Fills dilatation joints perfectly because of its liquid (pourable) characteristic.

APPLICATION METHOD

Surface Preparation

- Remove all soil, grease, mortar particles, cement residues, loose particles from inside of dilatation joints to be filled.
- Dilatation joints must be clean and dry.
- Prime the surface if necessary before application of
- Caution: Particularly recommended for application on primed surfaces

Application

- First mix thoroughly components A and B separately on their own
- Then add component A into component B and mix for at least 3 minutes until the color of the mixture becomes gray.
- Use mechanical mixers of at least 300-400 rpm for mixing.
- To obtain best result in dilatation joint filling, the ratio of the width to depth must be 2/1, which the depth is required min. 10 mm.
- Apply by pouring the polyurethane based liquid filler into the joint while the primer is still tacky.
- Application time of mixed system is 0,5 to 1 hour.
- Recommended application temperature changes between +5 °C and +40 °C.
- To reduce the consumption and to control filling depth, polyethylene fillings are placed in dilatation joints before application.



CONSUMPTION

To obtain best result in dilatation joint filling, the ratio of the width to depth must be 2/1, which the depth is required min. 10 mm. Consumption amounts changes according to width and depth of dilatation joints.

PACKAGING AND STORAGE

5 kg Tin (set: 1 kg (A) + 4 kg (B)).

The product may be stored for 12 months in sealed original packaging at a cool and dry place.

SAFETY PRECAUTIONS

Contact of the product with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. If swallowed, drink a few glasses of water immediately and seek medical advice. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves and protective goggles should be used during use.

TECHNICAL DATA

Density:	at 20 °C 1,4 gr/cm ³ (kg/it)
Hardness	20 Shore A
Using Temperature	between -40 °C and 90 °C
Application Temperature	between 5 °C and 40 °C
Elongation at Break	>%500
Tensile Strength	at %100 elongation 4 N/mm ²
Elasticity	>%60
QUV Accelerated Aging Test	Passed after 1000 hours
(4 hours at 80 °C UV (UVB-Lamps)	
& 4 hours at 50 °C COND)	

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.



EBUPOL FILL

TWO COMPONENT, POLYURETHANE BASED,
SBR ROLLER FILLER

H.S:390950100000



DESCRIPTION

Two component, polyurethane based, solvent-free, highly elastic, filling material with perfect adhesion characteristic used as filler on rubber mat floors for sports facilities

USAGE AREAS

- Also to obtain a smooth surface by filling the holes in the rubber.
- Suitable for parquette, fiberboard, plywood or polystyrene foam (EPS&XPS) applications.

CHARACTERISTICS

- High adhesive power.
- High elasticity.
- Adhesion on different surfaces.
- Solventfree.

APPLICATION METHOD

Surface Preparation

- The concrete surface must be clean. Compression resistance should be (not less than 25 N/mm²), with a tensile resistance (pull off) of at least 1,5 /mm².
- Consequently, the concrete surface for coating must be not less than C25 or preferably C30 - C35 standard.
- Concrete to be coated must be strong.
- The unstable layer of the surface must always be removed.

Application

- First mix components A and B separately on its own. Then add component B into component A and mix for at least 3 minutes until a homogenous color is obtained.
- Use electrical mixers of at least 300-400 rpm for mixing.
- Apply the mixture to prepared surface using a V type notched trowel with dimension of 4x4x4 mm.
- The mixture should be consumed within max. 1 hour.



CONSUMPTION

0,400-0,800 kg/m² (Varies according to the condition of the rubber mat surface and the type of coating).

PACKAGING AND STORAGE

22 kg Tin (set: 20 kg (A) + 2 kg (B)).

The product may be stored for 12 months in sealed original packaging at a cool and dry place.

SAFETY PRECAUTIONS

Contact of the product with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. If swallowed, drink a few glasses of water immediately and seek medical advice. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves and protective goggles should be used during use.

TECHNICAL DATA

Chemical Structure	Polyurethane
Density	Component A+B: -1,75 kg/l(at +23 °C)
Solids Content	- %100 (by volume) / - %100 (by weight)
Mixture Ratio (A+B)	90/10 (by weight)

The above values are given at +20°C and for 50% relative humidity.
High temperatures shorten the time, low temperatures prolong the time.

