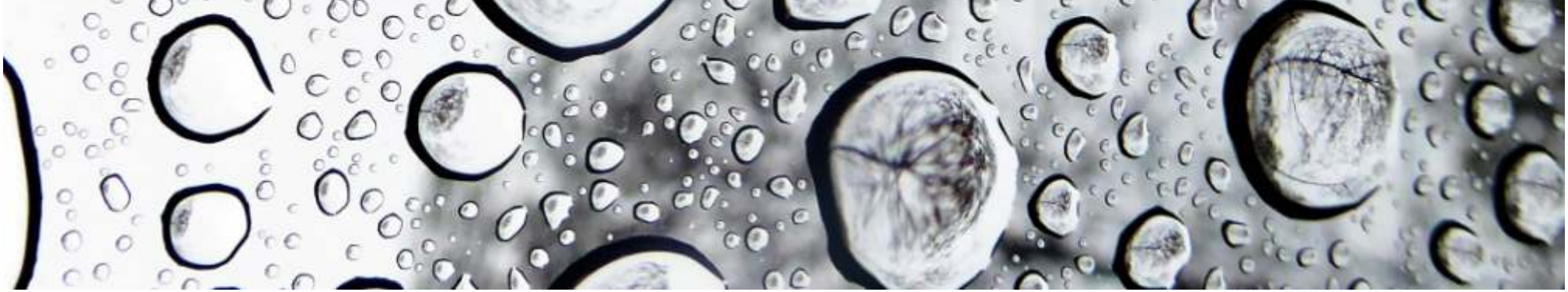

WATERPROOFING MATERIALS

EBUPROOF ACR

ELASTOMERIC RESIN BASED, WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

EBUPROOF ACR is an acrylic, elastomeric resin-based, single one component, water-based, elastic waterproofing coating.

USAGE AREAS

- On all cement-based screed, plaster, gross concrete, slab.
- In the waterproofing of wet volumes.
- In ceramic and under screed applications.
- As waterproofing material under paint and coating on exterior facades.
- On all absorbent surfaces with undesirable UV resistance.

CHARACTERISTICS

- It is single component and easy to apply.
- It has a high adhesion strength to cement-based surfaces.
- It prevents carbonation on the concrete surface.
- It creates a jointless and seamless coating.
- It provides impermeability.
- Since it is elastic, it covers the micro cracks in the structure.
- It does not prevent the passage of steam.
- It prevents corrosion of the reinforcement.
- It is resistant to freezing-thawing.
- It can be applied to horizontal and vertical surfaces.
- It is not harmful and flammable.
- It does not contain solvent.

APPLICATION METHOD

Surface Preparation

- The surface to be applied must be very clean and free of dust, oil and curing materials. Cracks and broken places on the application surface should be repaired.
- The product obtained by adding %50 amount of water to the product itself can also be used as a primer.
- It should be allowed to dry for at least 1 hour after primer application (20°C).

Application

- The material should be mixed in its own container before use. (400-600 rpm)
- The first coat can be applied by mixing with the mixer for 3-5 minutes.
- The material can be applied to the surface with a brush, roller or airless spray.
- The application should be done in at least 2 coats. Coats should be applied perpendicularly to each other.
- The second coat should be applied within an average of 3-6 hours (20°C) after the first coat has dried
- In applications, the thickness of each coat should not exceed 1.5 mm.
- The product should be protected from all external factors for at least 2 days after application.

Application Conditions

- There should be no external factors such as rain, snow, frost during the application of the material.
- The material should be applied to the dry surface.
- The environment should be ventilated in indoor applications.

CONSUMPTION

500-750 gr/m²/each coat according to the absorption rate of the surface.
Average consumption;
For 1 mm dry film thickness; 1.50 kg /m

PACKAGING AND STORAGE

20+10+5+3,5 kg plastic buckets
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.
Opened packages should be used within a maximum of one week if they are tightly sealed again.

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

Material structure	Water-based acrylic resin (White)
Density	1.40 ± 0.02 kg/lt
Application temperature	+10°C / +35°C
Service temperature	-20°C / +80°C
Flexibility	> %250
Drying time (20°C)	4-5 hours first, 48 hours final (+20°C)
Capillary water absorption	≤ 0.1kg.m².hours0,5
Adhesion strength	≥ 1 N/mm²
Crack bridging	≥ 2 mm (+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.

EBUPROOF ACR UV

ELASTOMERIC RESIN BASED, UV RESISTANT, WATERPROOFING COATING

H.S:321490000012

DESCRIPTION

EBUPROOF ACR UV is an acrylic, elastomeric resin-based, single one component, water-based, UV resistant, elastic waterproofing coating.

USAGE AREAS

- All cement-based screed, plaster Indoors and outdoors.
- Gross concrete, on the slab, in places exposed to atmos- pheric aggres- sive external effects, and in structures exposed to solvent salt effects.
- On the exterior facades of the building.
- In vertical and horizontal applications.
- On the terraces and roofs.
- In concrete, zinc and precast streams.

CHARACTERISTICS

- It is single component and easy to apply.
- It has a high adhesion strength to cement-based surfaces.
- It prevents carbonation on the concrete.
- It creates a jointless and seamless coating.
- It provides impermeability.
- Since it is elastic, it covers the micro cracks in the structure.
- It does not prevent the passage of steam.
- It provides a good appearance in terms of decoration.
- It prevents corrosion of the reinforcement.
- It is resistant to freezing-thawing event.
- It can be applied to horizontal and vertical surfaces.
- It is not harmful and flammable. It does not contain solvent.
- It is UV resistant

APPLICATION METHOD

Surface Preparation

- The surface to be applied must be very clean and free of dust, oil and curing materials. Cracks and broken places on the application surface should be repaired.
- The product obtained by adding %50 amount of water to the product itself can also be used as a primer.
- It should be allowed to dry for at least 1 hour after primer application (20°C).

Application

- The material should be mixed in its own container before use. (400-600 rpm)
- The first coat can be applied by mixing with the mixer for 3-5 minutes.
- The material can be applied to the surface with a brush, roller or airless spray.
- The application should be done in at least 2 coats. Coats should be applied perpendicularly to each other.
- The second coat should be applied within an average of 3-6 hours (20°C) after the first coat has dried.
- In applications, the thickness of each coat should not exceed 1.5 mm.
- The product should be protected from all external factors for at least 2 days after application.

Application Conditions

- There should be no external factors such as rain, snow, frost during the application of the material.
- In applications, the thickness of each coat should not exceed 1.5 mm.
- The environment should be ventilated in indoor applications.

CONSUMPTION

500-750 gr/m²/each coat according to the absorp- tion rate of the surface Average consumption;

For 1 mm dry film thickness:	1.50 kg /m
In gutters and streams:	3-4 kg /m²
On the terraces:	2-3 kg /m²

PACKAGING AND STORAGE

20+10+5+3,5 kg plastic buckets

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.

Opened packages should be used within a maximum of one week if they are tightly sealed again.

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

Material structure	Water-based acrylic resin (White)
Density	1.40 ± 0.02 kg/lt
Application temperature	+10°C / +35°C
Service temperature	-20°C / +80°C
Flexibility	> %250
Drying time (20°C)	4-5 hours first, 48 hours final (+20°C)
Capillary water absorption	≤ 0.1kg.m².hours0,5
Adhesion strength	≥ 1 N/mm² (EN 14891)
Crack bridging	≥ 2 mm (+20°C) (EN 14891)
Colors	White, Grey, Black

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

EBUPROOF B1C

BITUMEN RUBBER BASED, ONE COMPONENT WATERPROOFING COATING

H.S:321490000012

DESCRIPTION

EBUPROOF B1C is a one component waterproofing coating based on bitumen rubber, cold applied, with high elasticity.

USAGE AREAS

- Under cladding on terraces, roofs and balconies,
- In the insulation of foundations and curtains,
- On solid surfaces based on gross concrete, screed, plaster
- and cement,
- It is used in the repair of old bituminous membranes

CHARACTERISTICS

- It is elastic.
- It does not contain solvents or harmful substances.
- It does not prevent the passage of water vapor.
- It is an ecological product.
- Jointless coating is applied.
- It has a high crack covering capacity.
- It is easy to apply as it is a single-component, ready-to-use material.
- It has a high adhesion strength.
- It can be used on horizontal and vertical surfaces.
- It is resistant to freeze-thaw cycle.
- It is resistant to chemicals and salt solutions in the soil

APPLICATION METHOD

Surface Preparation

- The surface to be applied should be dry and clean. It should be free from anti-stick substances such as dust, oil, paint, curing.
- Mortar residues, loose floors have to be cleaned, cracks and broken areas have to be repaired and the surface level has to be leveled.
- The corners and edges should be chamfered with a minimum radius of 4 cm.

Priming

- For priming, 1 kg EBUPROOF B1C can also be applied as a primeto the surface by mixing with 400-600 rpm mixer with 4 lt water
- After the primer is dried, it is started to be applied.

Application

- The product is made ready for use by mixing with a mixer for at least 2 minutes 400-600 rpm.
- It can be applied with a brush and roller or by spraying with suitable machines.
- The second coat is applied after the first coat is dried.
- Appropriate mesh or reinforcement seal reinforcement can be made in large area applications and when necessary.

Application Conditions

- Protect surfaces with EBUPROOF B1C from UV and sharp parts.
- Use reverse roof detail and ensure the terrace has a solid, sloped concrete slab of minimum 12 cm thickness.
- Use appropriate drainage plates and thermal insulation plates to protect the foundation pit before filling it.
- Strip multi-porous, distorted or perforated surfaces with EBUPROOF B1C to prevent air bubble formation and/or smooth the surface.
- Add water up to 3% of the material amount to prevent consistency issues in hot weather.
- Protect exterior surfaces from wind and frost for 48 hours and do not expose to water until dry.
- Use water inflatable tapes or PVC water retaining tapes for cold joint insulation at foundation and wall joints.
- Do not apply EBUPROOF B1C on metal surfaces.

CONSUMPTION

Against unpressurized water: 3.0 kg / m² (In 2 layers application)
Against pressurized water : 4.5 kg / m² (In 3 layers application)

PACKAGING AND STORAGE

20 kg Tin.
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

Density	1.05 kg/Lt ± 0.02
Solid matter ratio	63 ± 2%
Service temperature	-20°C / +80°C
Application temperature	+5°C / +30°C
Initial drying (20°C)	2-4 hours
Final drying	1-3 days
Impermeability	Fully impermeable
Resistance to salts	Fully resistant
Color	Black

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

EBUPROOF B1CUV

BITUMEN POLYMER , 800% ELASTIC, UV RESISTANT WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

EBUPROOF B1CUV is a rubber-bitumen based, one component solvent-free , UV resistant, 800% elastic waterproofing material.

USAGE AREAS

- Suitable for concrete, plaster, screed, plastered brick, bituminous membrane, pitch, asphalt, metal, wood, zinc, sheet, and various plastics.
- Used for waterproofing aerated concrete floors that are plastered or primed.
- Ideal for waterproofing curtain walls, retaining walls, underground car park floors, terraces, garden terraces, balconies, roof streams (concrete, GRP, sheet, zinc), and wet areas.
- Suitable for repairing old bituminous membrane insulations.
- Can be used both underground and above ground.
- Suitable for horizontal and vertical surfaces.

CHARACTERISTICS

- Elasticity: Can stretch up to 800%.
- Forms a seamless and waterproof coating when dry.
- Wide temperature range: -20°C to +200°C.
- UV resistant, suitable for areas exposed to sunlight.
- Suitable for terrace, flat roofs, and roof streams.
- Effective for underground use and resistant to microorganisms and aggressive groundwater.
- Strong adhesion to dry and slightly damp surfaces, both absorbent and non-absorbent.
- Does not separate or swell over time.
- Can be used alone for curtain wall insulation.
- Suitable for joint sealing and repairs of bituminous membranes and shingles.

APPLICATION METHOD

Surface Preparation

- Before application, the surface should be free from adhesive substances such as dust, oil, paint, curing.
- Mortar residues, loose floors have to be cleaned, cracks and broken areas have to be repaired and the surface level has to be leveled.
- The application surface should not be wet.

Lining

- For priming, 1 kg of EBUPROOF B1CUV can be applied to the surface as a primer by mixing with 2 Lt of water and a 400-600 rpm mixer.
- After the primer is dried, it is started to be applied.

Application

- Apply 2-3 layers by brushing or spraying using suitable equipment.
- Apply the second coat after the first coat has dried.
- Reinforce joints and areas prone to cracking with polyester mesh (56 gr/m²) or reinforcement felt (45 gr/m²).
- Protect the surface from rain and frost for 48 hours after application.

Application Conditions

- For terrace application of EBUPROOF B1CUV, use reverse roof detail with heat insulation layer applied over the water insulation layer.
- Ensure solid slab concrete with a smooth surface and minimum 1% slope to avoid puddling.
- Strip multi-porous, distorted, or perforated surfaces with EBUPROOF B1CUV to prevent air bubble formation and smoothen the surface.
- Protect the exterior surface from strong wind and frost for the initial 48 hours.
- Avoid water contact until completely dry (2 days).

CONSUMPTION

As primer: 0.2 kg / m²
3.0 kg / m² (In 2 layers application)
4.5 kg / m² (In 3 layers application)

PACKAGING AND STORAGE

5 and 20 kg Tins.
In its original packaging, when stored in ventilated, dry and protected environments at +5°C/+30°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

Elongation of Rupture	> 800%
Application temperature	+5°C / +30°C
Service temperature	-20°C/+80°C
Viscosity	~ 8000 mPa.s
Density	1.21 g/cm³ ±0.02
Solid matter ratio	> 68%
Plastic deformation	> 60%
Color	Black

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

EBUPROOF P1C

POLYURETHANE BASED, UNDER-COATING WATERPROOFING MATERIAL

H.S:390950100000

DESCRIPTION

EBUPROOF P1C is a polyurethane based, single component, cold applied, gray colored, liquid elastic insulation

USAGE AREAS

- On terraces, roofs and balconies,
- On wet floors such as bathrooms, kitchens,
- On metal surfaces,
- On mosaic surfaces,
- In the insulation of water tanks and ducts,
- In concrete structures such as bridges, viaducts, tunnels.

CHARACTERISTICS

- It should be used under the coating.
- It is resistant to constant water contact.
- It is single component and easy to apply.
- It has a high crack covering capacity.
- Jointless coating is applied.
- It does not prevent the passage of steam.
- It is not poisonous or harmful.
- It is resistant to chlorine, alkali and chemicals.
- It has high resistance to freezing.

APPLICATION METHOD

Surface Preparation

- The application surface should be cleaned from anti-stick materials like dust, oil, tar, paint, silicone, and mold oils.
- Weak parts of the concrete should be repaired and the surface should be smooth and solid.
- Static cracks in the building should be repaired with EBUFIX LATEX plaster.
- Dynamic cracks should be filled with EBUPUR MASTIC polyurethane mastics and chamfered appropriately in vertical corners.
- Holes through which water comes should be plugged with EBUFIX PLUG.

Priming

- Absorbent surfaces such as concrete should be primed with EBUPOL P340 or non-absorbent surfaces such as ceramic should be primed with EBUPOL P345

Mixing

- The material must first be mixed with a suitable mixer for at least 3 minutes. The material can be thinned with a maximum of 5% by weight of Cellulosic Thinner when desired.

Application

- Before use, open the package and mix the product with a low-speed mixer for at least 3 minutes.
- Pour the product on the primed surface and apply a minimum of two coats using a roller or check rust until the entire surface is covered.
- If applying with a spray, add a maximum of 5% Cellulosic Thinner to the product and mix well.
- After applying the first coat, apply the second coat within a minimum of 6 and a maximum of 24 hours.

Application Conditions

- Do not apply the material when the ground temperature is below +5°C or above +35°C.
- Packages should be used entirely once opened.
- Protect the material from rain, frost, and direct sunlight within the first 24 hours after application at a temperature of +20°C.
- Ensure the application surface is not wet. The EBUPROOF P1C is resistant to up to 4% moisture on the surface. If the surface has higher humidity, moisture-tolerant polyurethane or epoxy primers can be used before application.

CONSUMPTION

1.50 - 2.00 kg/m²
(For 2 coats of application)

PACKAGING AND STORAGE

25 kg Tin.
In its original packaging, in dry, protected and ventilated environ- ments at +10°C /+30°C, when stored protected from sun, rain and frost, its shelf life is 12 months from the date of production.

SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

TECHNICAL DATA

Material structure	Polyurethane liquid
Color	Grey
Density	1,35 gr/cm³ (20 °C and 50% R.H.)
Shore A Hardness	60
Viscosity	4000-6000 cP
Elongation	> 400%
Application temperature	+ 5°C / + 35°C
Service temperature	- 30°C / + 80°C
First drying	4-6 hours
Final drying	5 days

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

EBUPROOF P1CUV

POLYURETHANE BASED ,UV-RESISTANT WATERPROOFING MATERIAL

H.S:390950100000

DESCRIPTION

EBUPROOF P1CUV is a polyurethane based, single component, cold applied, UV resistant, insulation material

USAGE AREAS

- On terraces, roofs and balconies,
- On wet floors such as bathrooms, kitchens,
- On metal surfaces, and mosaic surfaces,
- In the insulation of water tanks and ducts,
- In concrete structures such as bridges, viaducts, tunnels

CHARACTERISTICS

- It is UV resistant.
- It is resistant to constant water contact.
- It is single component and easy to apply.
- It has a high crack covering capacity.
- Jointless coating is applied.
- It does not prevent the passage of steam.
- It is not poisonous or harmful.
- It is resistant to chlorine, alcali and chemicals.
- It has high resistance to freezing

APPLICATION METHOD

Surface Preparation

- Clean the application surface from anti-stick materials such as dust, oil, tar, pitch, paint, silicone, curing material, detergent, and mold oils.
- Repair weak parts of the concrete.
- Ensure the surface is smooth and solid.
- Repair static cracks in the building with EBUFIX LATEX plaster. Fill
- dynamic (moving) cracks with EBU MASTIC polyure-thane mastics and chamfer them appropriately in vertical corners. Plug holes through which water comes with EBU PLUG.
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Priming

- Absorbent surfaces such as concrete should be primed with EBUPOL P340 or non-absorbent surfaces such as ceramic should be primed with EBUPOL P345

Mixing

- The material must first be mixed with a suitable mixer for at least 3 minutes. The material can be thinned with a maximum of 5% by weight of Cellulosic Thinner when desired.

Application

- Mix the material with a suitable mixer for at least 3 minutes.
- The material can be thinned with a maximum of 5% Cellulosic Thinner by weight if desired.
- For spraying application, add a maximum of 5% Cellulosic Thinner to the product and mix.
- Apply the first coat and wait for a minimum of 6 and a maximum of 24 hours before applying the second coat.

Application Conditions

- Do not apply the material when the ground temperature is below +5°C or above +35°C.
- Packages are for single use and should be completely consumed within the specified periods.
- Protect the material from rain, frost, and direct sunlight within the first 24 hours after application at +20°C.
- Ensure the application surface is not wet. EBUPROOF P1CUV is resistant to up to 4% moisture on the surface. Use moisture-tolerant polyurethane or epoxy primers on surfaces with higher humidity before application.
- Roughen very smooth surfaces before application.
- If the application area will have light pedestrian traffic, apply EBUPROOF P1CUVafter the product is completely dried.

CONSUMPTION

1.50 - 2.00 kg/m²
(For 2 coats of application)

PACKAGING AND STORAGE

25 kg Tin.
In its original packaging, in dry, protected and ventilated environments at +10°C /+30°C, when stored protected from sun, rain and frost, its shelf life is 12 months from the date of production.

SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use

TECHNICAL DATA

Material structure	Polyurethane liquid
Color	White, Grey
Density	1,35 gr/cm³ (20 °C and 50% R.H.)
Shore A Hardness	60
Viscosity	4000-6000 cP
Elongation	> 600%
Application temperature	+ 5°C / + 35°C
Service temperature	- 30°C / + 80°C
First drying	4-6 hours
Final drying	5 days

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

EBUPROOF P2CTR

TERMOPLASTIC ACRYLIC TRANSPARENT COATING
WATERPROOFING MATERIAL

H.S:390950100000

DESCRIPTION

EBUPROOF P2CTR is a termoplastic acrylic based, two component, self-liquid, ready-to-use, UV resistant, transparent coating and waterproofing material.

USAGE AREAS

- On balconies and terrace roofs with light pedestrian traffic,
- On balconies and terraces covered with materials such as glazed tiles, ceramics, natural stone, marble, tiles
- On reinforced concrete surfaces, plasters and screed,
- On glass, on glass brick, on metals such as iron, steel, aluminum,

CHARACTERISTICS

- It is transparent and does not damage the existing coating, allowing waterproofing without changing the appearance of the bottom coating. It is decorative.
- It does not contain materials like silicone oil and plasticizer, preventing color changes due to oil vomiting in building materials such as natural stone and marble.
- It is resistant to wear from light pedestrian traffic in areas like terraces and balconies.
- It is UV resistant, preventing cracking, yellowing, and leakage.

APPLICATION METHOD

Surface Preparation

- The application surface should be cleaned from anti-stick materials like dust, oil, tar, pitch, paint, silicone, curing material, detergent, and mold oils.
- Surfaces may need to be roughened with mechanical methods in certain areas.
- EBUPOL P345 should be primed if needed.

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Application

- EBUPROOF P2CTR is a ready-to-use product applied with a brush or roller.
- When applying on jointed surfaces, coat the joints first using a brush.
- Apply two coats of the product to all surfaces using a roller.
- Allow the first layer to completely dry before applying the second layer.

Application Conditions

- The application surface should be completely dry.
- In cases where the ground temperature is below +5°C and above +35°C, the material should not be applied.
- Packages are designed for single use.
- When it is opened, it must be consumed completely within the specified periods.
- The material should be protected from rain, frost and direct sunlight within the first 24 hours after application. (+20°C)
- Do not apply on damp or wet surfaces, in areas with negative water - water vapor pressure, and in areas that are in constant contact with water such as swimming pools and water tanks.

CONSUMPTION

On non-absorbent surfaces: 0,200 kg/m²
On absorbent surfaces : 0,400 kg/m²

PACKAGING AND STORAGE

(0,7 kg+0,1 kg)tins (3,5kg+0,5 kg) tins
In its original packaging, in dry, protected and ventilated environments at +10°C /+30°C, when stored protected from sun, rain and frost, its shelf life is 12 months from the date of production.

SAFETY PRECAUTIONS

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

TECHNICAL DATA

Appearance	Transparent liquid coating
Density	1,10 ± 0,05 kg/lt
Application Temperature	+5°C to +35°C
Shore A Hardness	90 ± 5
Elongation at Break	> 300% (7 days)
Film Creation Time	60 ± 30 minutes
Curing Speed	1 mm / 24 hours
Service Temperature	-30°C / +80°C

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

EBUPROOF P2CWT

POLYURETHANE BASED, LIQUID WATERPROOFING MATERIAL FOR WATER TANKS

H.S:390950100000

DESCRIPTION

EBUPROOF P2CWT is a two-component, blue, liquid elastic waterproofing material for drinking and usage water tanks.

USAGE AREAS

- On terraces, roofs and balconies.
- In usage and drinking water tanks.
- On metal surfaces.

CHARACTERISTICS

- It should be used under the coating.
- It is resistant to constant water contact.
- It has a high crack covering capacity.
- Jointless coating is applied.
- It does not prevent the passage of steam.
- It is not poisonous or harmful.
- It is resistant to chlorine, alkali and chemicals.
- It has high resistance to freezing.

APPLICATION METHOD

Surface Preparation

- Clean the application surface from anti-stick materials.
- Repair weak parts of the concrete with suitable plasters.
- Ensure the surface is smooth and solid.
- Repair static cracks with EBUFIX LATEX plaster.
- Fill dynamic cracks with EBUPUR P600 polyurethane mastics and chamfer appropriately in vertical corners.

Priming

- Absorbent surfaces such as concrete should be primed with EBUPOL P340 or non-absorbent surfaces such as ceramic should be primed with EBUPOL P345

Mixing

- The products should first be opened individually and mixed with a low speed mixer for 2-3 minutes. Then, A and B components are combined and made ready for use by mixing with a low speed mixer for a minimum of 3-4 minutes.

Application

- Open the package and mix the product with a low-speed mixer for at least 3 minutes.
- Pour the product on the primed surface and apply a minimum of two coats using a roller or brush until the entire surface is covered.
- If desired for spraying application, add a maximum of 5% Cellulosic Thinner and mix thoroughly.
- After applying the first coat, apply the second coat within a minimum of 8 and a maximum of 24 hours.

Application Conditions

- Do not apply the material if the ground temperature is below +5°C or above +35°C.
- The package is for single use and should be used completely after opening.
- Protect the applied material from rain, frost, and direct sunlight for the first 24 hours after application (at +20°C).
- If the surface has higher humidity, use moisture-tolerant polyurethane or epoxy primers before applying EBUPROOF P2CWT.

CONSUMPTION

1.50 - 2.00 kg/m²
(For 2 coats of application)

PACKAGING AND STORAGE

24 kg Tins (set).
Component A: 20 kg - Component B: 4 kg
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

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

TECHNICAL DATA

Material structure	Polyurethane liquid
Color	Blue
Density	1,40 gr/cm³ (20 °C and 50% R.H.)
Shore D hardness	40
Viscosity	15.000-20.000 cP
Elongation	> 100%
Application temperature	+ 5°C / + 35°C
Container Life	20 minutes
Service temperature	- 30°C / + 80°C
First drying	4-6 hours
Final drying	5 days

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

EBUPROOF 2KINJ

TWO-COMPONENT FLEXIBLE POLYURETHANE INJECTION RESIN

H.S:390950100000

DESCRIPTION

EBUPROOF 2KINJ is a two-component, low-viscosity, solvent-free, flexible polyurethane injection resin.

USAGE AREAS

- Where waterproofing must be provided, in filling and repair works,
- In crack injections, in places exposed to movement in concrete structures and in dilatations to stop water leaks,
- In tunnels, bridges and all structural elements, stopping water leaks at the joints of tunnel segments, behind the segment curtain injection works,
- It is used for preinjection of sandy soil, cracked rocks, stabilization of sandy and gravelly soils.

CHARACTERISTICS

- It does not contain solvent.
- It doesn't shrink.
- It is hydrophobic.
- It reacts in contact with water, expands and cures, and turns into a non-porous, flexible and dense foam.
- It provides absolute water impermeability.
- It has high adhesive strength even in humid environments.
- It is resistant to light acids, alkalis, organic solutions, fungus, mold and microorganisms.
- Reaction and expansion rate can be controlled.
- There is no harm to health in contact with drinking water.

APPLICATION METHOD

Surface Preparation

- The cracks to be applied should be cleaned with compressed air and free parts should be cleaned from substances such as oil and paint.

Mixing

- Required amount of CATALYST (1-5%) is added to EBUPROOF 2KINJ resin by shaking beforehand and mixed until a homogeneous mixture is obtained.
- The accelerator rate should be determined by conducting an experiment in advance, taking into account the ambient temperature, humidity rate and water temperature.
- During mixing, the resin should be kept away from water, otherwise it reacts, foaming starts and starts to freeze in the equipment and clogs.
- The mixture does not react as long as it does not come into contact with water.

PACKAGING AND STORAGE

20 + 2 kg Tin Set.

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

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

TECHNICAL DATA

Injection 2K

Specific gravity	1.06 kg / lt ± 0.03
Viscosity	260-300 cP (+25°C)

Catalyst

Specific gravity	0.95 kg / lt ± 0.03
Viscosity	40-60 cP (+25°C)

Iinjection 2K + %2 Catalyst cured mixture

Flexibility	> 200%
Tensile strength	> 1 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.

EBUPROOF 2CSE

CEMENT BASEF TWO COMPONENT, SEMI-ELASTIC WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

EBUPROOF 2CSE is a polymer reinforced, non-shrink, high-performance, semi-elastic waterproofing material

USAGE AREAS

- In vertical and horizontal applications in indoor and outdoor spaces,
- It is used to ensure water impermeability under screed and ceramic in balconies and wet areas.

CHARACTERISTICS

- EBUPROOF 2CSE provides long-lasting waterproofing for the applied structure.
- It exhibits strong adhesion to mineral-based surfaces such as
- concrete, screed, and mosaic.
- Suitable for both interior and exterior facades.
- Forms a flexible and elastic coating.
- Resistant to shrinkage and cracking.
- Ideal for structures with existing cracks or prone to cracking.
- Does not impede the breathability of the structure.
- Applicable to both horizontal and vertical surfaces.
- Once fully dried, it remains unaffected by freezing and thawing.
- Can be applied on damp surfaces.

APPLICATION METHOD

Surface Preparation

- Prior to applying EBUPROOF 2CSE ensure the surface is clean and free from dust, oil, paint, curing agents, and any other substances that may hinder penetration.
- It is recommended to roughen the surface to enhance adhesion.
- For optimal application, the surfaces should be damp. If the surface is dry, it should be moistened and saturated with water before applying the product.

Mixing

- Combine component B with component A (powder) and mix continuously for 4-5 minutes.
- Allow the mixed material to rest for 5 minutes, then mix again for at least 3 minutes until it is ready for application.
- The material should be used within 1 hour after mixing and preparing it (at 20°C).

Application

- Apply EBUPROOF 2CSE in 1-3 brush layers, each around 1-1.5 mm thick.
- Use a 2 mm thick mortar.
- Use elastic mesh or armure felt between layers for added strength and flexibility.
- Reinforce corner joints with elastomeric bands to prevent cracking.
- EBUPROOF 2CSE achieves full strength after 28 days.
- Apply EBUPRIME P400 as a primer before waterproofing.

Application Conditions

- Protect the surface from rain and frost for at least 24 hours after application.
- Avoid applying the product if the ground temperature is expected to drop below 5°C within 24 hours.
- In high-temperature environments, apply the material quickly and continuously during morning and evening hours, and store it in the shade.
- In low-temperature environments, start the application at noon, ensuring the temperature is below 5°C and the surface is not frozen. Keep the material in a warm environment and protect the surface from frost after application.

CONSUMPTION

2,5 - 3 kg/m² (average 2 mm thickness)
1st layer ; 1.60 kg / m^2 - 2nd layer; 1.40 kg / m^2

PACKAGING AND STORAGE

25 kg Set (20 kg A (powder) + 5 kg B (liquid).
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

Floor temperature to be applied	+5°C / +35°C
Service temperature	-20°C / +80°C
Adhesion to concrete	> 1,5 N/mm²
Processability time	1 hour (20°C, 50% humidity)
Density	1.65 ±0,05 kg/lt
Compressed water strength	5 bars positive
Setting time (20°C)	6 hours first setting, 24-hour final setting
Capillary water absorption	≤ 0.1kg.m2.hours0,5

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

EBUPROOF 2CFE

CEMENT BASED, TWO COMPONENT, FULLY ELASTIC WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

EBUPROOF 2CFE is a fully elastic, 2 component waterproofing material that protects the structure it is applied against cracks, has a high degree of adhesion, and is resistant to tensile & shrinkage.

USAGE AREAS

- In all kinds of reinforced concrete structures with the possibility of cracking,
- In waterproofing from the positive side,
- Water tanks & pools,
- On the floors, terraces and balconies,
- In reinforced concrete curtains and walls,
- Before screed and ceramic flooring in kitchens and bathrooms,
- It is used on horizontal and vertical surfaces.

CHARACTERISTICS

- EBUPROOF 2CFE provides permanent waterproofing for the applied structure.
- It adheres strongly to concrete, screed, mosaic, and similar mineral-based surfaces.
- Suitable for interior and exterior facades.
- Creates an elastic coating that doesn't shrink or crack.
- Ideal for structures with existing or potential cracks.
- Enhances durability against external factors like sea water, salt, calcium, and oil.
- Allows the applied structure to breathe.
- Applicable to both horizontal and vertical surfaces.
- Can be applied to damp surfaces.

APPLICATION METHOD

Surface Preparation

- Ensure the surface is free from dust, oil, paint, curing, and other substances that can hinder penetration before applying EBUPROOF 2CFE.
- Roughen the surface to enhance adhesion.
- Apply the product to damp surfaces, and if the surface is dry, moisten it and saturate it with water before application.

Mixing

- EBUPROOF 2CFE has two components.
- Add component B in component A (powder) and mix continuously for 4-5 minutes.
- The mixed material is rested for 5 minutes and again mixed for at least 3 minutes and made ready for application.
- The material should be used within 1 hour after it is mixed and ready for use. (at 20°C)

Application

- Apply EBUPROOF 2CFE to the concrete surface using 1-3 layers of brush, ensuring a thickness of 1-1.5 mm for each layer.
- The thickness of the mortar applied should be approximately 2 mm.
- Use elastic synthetic mesh (4x4 mm) or armure felt between laye rs to enhance strength and flexibility.
- Utilize elastomeric bands at corner joints to increase strength and prevent cracking.
- The product becomes resistant to rain after 24 hours of applica tion and reaches its final strength after 28 days.
- Protect the applied product from external factors for 24-48 hours.

Application Conditions

- Protect surface from rain and frost for at least 24 hours after application.
- Avoid applying if ground temperature may fall below 5°C within 24 hours.
- Apply swiftly in high temperatures, keeping material shaded.
- For low temperatures, start at noon (<5°C), thawed surface, and protect from frost post-application.

CONSUMPTION

3-4 kg/m² (average 2-2.5 mm thickness)
1st layer ; 1.60 kg / m² 2nd layer; 1.40 kg / m² 3rd layer ; 1.00 kg / m²

PACKAGING AND STORAGE

30 kg Set (20 kg A (powder) + 10 kg B (liquid)).
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

Floor temperature to be applied	+5°C / +35°C
Service temperature	-20°C / +80°C
Adhesion to concrete	> 2 N/mm²
Processability time	1 hour (20°C, 50% humidity)
Density	1.65 ±0,05 kg/lt
Compressed water strength	7 bars positive
Setting time (20°C)	6 hours first setting, 24-hour final setting
Capillary water absorption	≤ 0.1kg.m².hours0,5

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

EBUPROOF 2CUV

CEMENT BASED, TWO COMPONENT, UV RESISTANT WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

EBUCHEM 2CUV is a fully elastic, UV resistant, white colored, 2 component waterproofing material that protects the structure against cracks, has a high degree of adhesion, resistant to tensile & shrinkage.

USAGE AREAS

In all kinds of reinforced concrete structures with the possibility of cracking,
In waterproofing from the positive side,
In reinforced concrete roofs and terraces,
Water structures, water tanks, water tanks, pools,
On balconies, in wet areas,
It is used on horizontal and vertical surfaces.

CHARACTERISTICS

EBUCHEM 2CUV provides waterproofing as a permanent part of the applied structure.
It adheres strongly to concrete, screed, mosaic and similar mineral-based surfaces.
It can be applied to interior and exterior facades.
It makes an elastic coating.
It does not shrink and does not crack.
It is used in structures that may crack or structures that still have cracks.
It increases the durability of the structure it is applied against external factors such as sea water, salt, calcium and oil.
It does not prevent the applied structure from breathing.
It is used on horizontal and vertical surfaces.
After the product is completely dried, it is not affected by freezing and thawing.
It can be applied to damp surfaces.

APPLICATION METHOD

Surface Preparation

Before application of EBUCHEM 2CUV , the surface should be free from dust, oil, paint, curing and other substances that are unrelated to the structure and prevent penetration.
The surface should be roughened to ensure adhesion.
Surfaces to be applied should be damp, dry surfaces should be moistened and saturated with water before application.

Mixing

EBUCHEM 2CUV has two components.
First, component B (liquid) is placed in a clean container.
Then, all of component A (powder) is slowly added to component B and stirred continuously for 4-5 minutes.
The mixed material is rested for 5 minutes and again mixed for at least 3 minutes and made ready for application.
The material should be used within 1 hour after it is mixed and ready for use. (at 20°C)

Application

EBUCHEM 2CUV is applied to the concrete surface with 1-3 layers of brush to make 1-1.5 mm thickness in each layer.
The thickness of the mortar applied should be around 2 mm. for strength and flexibility.
At corner joints, chamfer bands should be used to increase strength and prevent cracking.

EBUCHEM 2CUV becomes resistant to rain 24 hours after application, reaches its final strength after 28 days.
The applied product should be protected against external factors for 24 -48 hours.

Application Conditions

After application, the surface should be protected from rain and frost for at least 24 hours.
In cases where the ground and air temperature are expected to fall below 5°C within 24 hours after the application, the application should not be performed.
In high temperature environments, the application should be done quickly and uninterruptedly in the morning and evening hours and the material should be kept in the shade.
In low temperature environments, the application should be started at noon, provided that the temperature is below 5°C and the surface is not frozen, the material should be kept in a hot environment and the surface should be protected from frost after application.

CONSUMPTION

3-4 kg/m2 (average 2-2.5 mm thickness) 1st layer ; 1.60 kg / m2 2nd layer ; 1.40 kg / m2 3rd layer ; 1.00 kg / m2

PACKAGING AND STORAGE

30 kg Set (20 kg A (powder) + 10 kg B (liquid))
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

Floor temperature to be applied	+5°C / +35°C
Service temperature	-20°C / +80°C
Adhesion to concrete>	2 N/mm2
Processability time1 hour	(20°C, 50% humidity)
Density	1,65 ±0,05 kg/lt
Compressed water strength	7 bars positive
Capillary water absorption	≤ 0.1kg.m2 hours0,5
Color	White

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

EBUPROOF PLUG

CEMENT BASED WATER SHUTOFF, PLUG & REPAIR QUICK SETTING MORTAR

H.S:321490000012

DESCRIPTION

EBUPROOF PLUG is a fast curing, polymer reinforced, fast curing, single component, ready to use, assembly, repair and water shutoff plug mortar used in many assembly works to stop water leaks.

USAGE AREAS

- In places with all kinds of water leakage,
- In Tunnels, water structures, water pipes, at the joints,
- In the repair of defects and holes in concrete, tie-rod iron fills their gaps.
- For chamfering at the corner joints in concrete,
- On the edges of doors and windows,
- It is used in the assembly of non-load-bearing elements.

CHARACTERISTICS

- EBUPROOF PLUG provides permanent waterproofing.
- It has strong adhesion and quick expansion and hardening (2-5 minutes).
- Allows for insulation coatings within 15 minutes.
- Suitable for pressurized water flows.
- Non-shrink and chlorine-free, safe for steel reinforcement and drinking water.
- Allows the applied structure to breathe.
- Suitable for all horizontal and vertical surfaces.
- Resistant to freezing and thawing.
- Easy to use, only requires water addition.

APPLICATION METHOD

Surface Preparation

- Prepare the surface by removing dust, oil, paint, curing, and other non-structural substances using compressed air or a brush. Create a cavity around the water flow to ensure proper drainage.
- Apply EBUPROOF PLUG around the flow, using gloves, until leaks are sealed. Prior to application, moisten the surface.

Mixing

- Mix EBUPROOF PLUG manually or with a bar for about 30 sec. Add water slowly to a bucket and gradually incorporate the powder material until it reaches a semi-dry consistency suitable for plastering. It is important to achieve a semi-dry mixture as th e material will further mix with runoff and leachate.
- In high temperature environments, use cold mixing water, while warm mixing water is recommended in low temperature environ - ments.
- The recommended mixture ratio is 1 part water to 4 parts powder (0.25 liters of water per 1 kg of powdered product).
- The mixture should be used within approximately 3 min after mixing.

Application

- Application is done by hand or trowel.

Repair of Water Flows

- Mix EBUPROOF PLUG with water and press it by hand in a single movement towards the crack where the water flow is coming from. Hold it until the material hardens and the water flow stops.
- After pressing for at least 1 minute and the material has hardened, remove your hand slowly.
- For vertical cracks, start the application from the top and move in the direction of the water flow with pressure.
- If needed, cover the top of the plugged area with EBUPROOF PLUG powder material.

Anchorage and Assembly Works

- To fix anchors and fasteners to concrete, fill 80% of the gap with EBUPROOF PLUG and immediately secure it by turning the anchor.
- For other concrete surface defects and joints, quickly apply the material to the cavity.

CONSUMPTION

Variable. With 1 kg EBUPROOF PLUG an average area of 2x2 cm can be clogged.

PACKAGING AND STORAGE

5 kg plastic bucket.

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

Structure	Cement-based powder
Amount of water	0.25 L of water per 1 kg of powdered product
Compressive Strength	> 7 N/mm² (30 min.) > 10 N/mm² (24 h) > 30 N/mm² (28 h)
Working time	1 minute (20°C)
Setting time	2 - 5 minutes
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.

EBUPROOF CRY10

CRYSTALLIZED WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

It is an insulation material that provides waterproofing in the basic insulations of the buildings as scattering and in the negative direction on the inner surfaces of the buildings. The crystallized chemicals in the EBUPROOF CRY10 react in the applied structure to form insoluble crystals. These crystals penetrate the capillary cavities and provides permanent waterproofing as part of the structure.

USAGE AREAS

- In building foundations and subsoil floors & In the elevator pits.
- For waterproofing concrete pipes, retaining walls, basement walls from the inside from the negative side.

CHARACTERISTICS

- EBUPROOF CRY10 provides lifelong water impermeability to structures by preventing water advancement through crystal formation in capillary cavities.
- It prevents moisture and odor on moldy surfaces.
- The product remains active and continues to react with moisture and water infiltrating the concrete over time.
- It withstands both positive and negative water pressure.
- Suitable for application on interior and exterior facades.
- Resistant to UV rays and oxidation.
- Protects concrete and steel reinforcement from chemicals, increasing the pH value of concrete and preventing corrosion.
- The inorganic chemical structure does not compromise the compressive strength of the concrete.
- Non-toxic and safe for use in potable water tanks.

APPLICATION METHOD

As sliding insulation material

Surface Preparation

- Apply EBUPROOF CRY10 on damp surfaces, moistening dry surfaces before application.
- Fully saturate the surface with water 1 day prior to application and again 2 hours before. Avoid puddles on the surface.
- Ensure the surface is free from dust, oil, paint, and other sub stanc-es unrelated to the structure to allow proper penetration.
- If needed, roughen the surface to enhance adhesion.

Mixing

- The required amount of water is added and mixed with EBUPROOF CRY10 in bucket.
- 20 kg powder material (by weight) ; 6.2-7 kg water is added.

Application

- Apply the mixture to the moist concrete surface using a brush in two coats.
- The second coat should be applied perpendicular to the first coat before it fully hardens but is dehydrated (within approximately 3-5 hours).

Use as scattering under foundation

- After laying the iron and mold, sprinkle the material onto the lean concrete at a rate of 3 kg/m². To control consumption, place 20 kg of the material in a 3x2 m (6 m²) tile on the iron and distribute it within that area.
- Once fresh concrete is poured over the material, the reaction begins, providing insulation.

Application Conditions

- Protect the applied surface from rain and frost for at least 24 hours. Avoid application if the ground temperature is expected to drop below 5°C within 24 hours.
- In high temperature environments, apply the material swiftly and continuously during the morning and evening hours, while keeping it shaded.
- In low-temperature environments, begin the application at noon when the temperature is below 5°C and the surface is not frozen.
- Keep the material in a warm environment and protect the surface from frost after application.

CONSUMPTION

As sliding; 2-3 kg/m² (1 kg /m²/each layer) as sprinkling under foundation; 3-4 kg/m²

PACKAGING AND STORAGE

25 kg Craft Bag

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

Use caution to avoid contact between the material and the skin or eyes during application and mixing. If contact occurs, wash the affected area with plenty of water. In case of contact with the eyes, immediately rinse with ample water and seek medical assistance. Wear gloves, protective clothing, masks, and goggles for personal protection during use.

TECHNICAL DATA

Floor temperature to be applied	+5°C / +35°C
Service temperature	-20°C / +80°C
Adhesion to concrete	> 2 N/mm²
Processability time	20 minutes (20°C, 50% humidity)
Setting Time (20°C)	6 hours first setting, 24-hour final setting
Capillary water absorption	≤ 0.1 kg.m².hours0,5final (+20°C)
Mixture density	1,95 ±0,1 kg/L
Water mixture ratio	31-35%

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

EBUPROOF CRY20

CRYSTALLIZED, HIGH PRESSURE RESISTANT WATERPROOFING MATERIAL

H.S:321490000012

DESCRIPTION

EBUPROOF CRY20 is an insulation material used for water-proofing in building foundations and on inner surfaces. Its crystallized chemicals react within the structure, forming insolu-ble crystals. These crystals penetrate capillary cavities, providing permanent waterproofing as an integral part of the structure.

USAGE AREAS

- In building foundations and subsoil floors.
- In the elevator pits, dams.
- For waterproofing concrete pipes, retaining walls, basement walls from the inside from the negative side.

CHARACTERISTICS

- EBUPROOF CRY20 effectively prevents water infiltration with crystal formation, ensuring lifelong water impermeability. It
- has high compressive strength and prevents moisture formation.
- It remains reactive and activates with moisture over time.
- It resists positive and negative water pressure and is suitable for interior and exterior facades.
- It is unaffected by UV rays and oxidation.
- It protects concrete and steel reinforcement, increasing pH to prevent corrosion.
- Its inorganic structure maintains concrete's compressive strength.
- Non-toxic and safe for potable water tanks.

APPLICATION METHOD

As sliding insulation material; Surface Preparation

- Surfaces should be dampened before applying EBUPROOF CRY20. Dry surfaces should be moistened by fully saturating them with water 1 day before and again 2 hours before application. Avoid puddles on the surface.
- Ensure the surface is free from dust, oil, paint, and unrelated substances that hinder penetration before applying EBUPROOF CRY20
- If needed, roughen the surface for better adhesion.

Mixing

- The required amount of water is added and mixed with EBUPROOF CRY20 in bucket.
- 20 kg powder material (by weight) ; 6.2-7 kg water is added.

Application

- The EBUPROOF CRY20 mixture is applied to the moist concrete surface in two coats using a brush.
- The second coat should be applied perpendicularly to the first coat before it fully hardens but dehydrates, typically within 3-5 hours.

Use as scattering under foundation

- After the iron and mold are laid, the material is sprinkled on lean concrete.
- (3 kg/m^2) In order to keep the consumption under control, (20 kg) is placed in the 3x2 m (6 m^2 area) tile made on iron and sprinkled into that area. With the pouring of fresh concrete on the material, the reaction begins and insulation is provided.

Application Conditions

- Protect the applied surface from rain and frost for a minimum of 24 hours after application.
- Avoid applying the material if the ground temperature is expected to drop below 5°C within 24 hours.
- In high temperature environments, apply the material swiftly and continuously during the morning and evening hours, while keeping it in the shade.
- In low-temperature environments, begin the application at noon when the temperature is below 5°C and the surface is not frozen. Keep the material in a warm environment and protect the surface from frost after application.

CONSUMPTION

As sliding; 2-3 kg/m² (1 kg /m²/each layer) as sprinkling under foundation; 3-4 kg/m²

PACKAGING AND STORAGE

25 kg Craft Bag

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

During application and mixing, contact of the material with the skin and eyes should be prevented, and in case of contact, it should be washed with plenty of water. In case of contact with eyes, they should be washed immediately with plenty of water and medical assistance should be obtained. Gloves, protective clothing / mask / goggles should be used during use.

TECHNICAL DATA

Floor temperature to be applied	+5°C / +35°C
Service temperature	-20°C / +80°C
Adhesion to concrete	> 2 N/mm²
Processability time	20 minutes (20°C, 50% humidity)
Setting time (20°C)	6 hours first setting, 24-hour final setting
Capillary water absorption	≤ 0.1 kg.m².hours0,5
Mixture density	1,95 ±0,1 kg/L
Water mixture ratio	31-35%

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