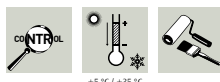


CERMIPROOF BITUM



One Component, Polymer Modified Bitumen Rubber, Waterproofing Material



- *Easy to apply.*
- *Provides seamless waterproofing.*
- *Complete adhesion to the surface.*
- *Crack bridging.*
- *Suitable for horizontal and vertical applications. Thixotropic.*
- *Extended pot life .*
- *Resistant to freeze thaw cycle.*
- *Resistant to bacterial attacks, salts and acids in the soil.*

DESCRIPTION

CERMIPROOF BITUM is a rubber modified bitumen emulsion based, one component, paste consistent, highly durable, ready to use, thick waterproofing material.

FIELDS OF APPLICATION

- Foundations and curtain walls (Tanking).
- Waterproofing of retaining walls.
- Vertical and horizontal applications.
- Positive waterproofing applications.
- Bonding of insulation boards (Perimeter insulation).
- Suitable for bonding of insulation and drainage boards.
- Basement and warehouse insulation.
- External insulation of water tanks.
- Waterproofing of flowerpots.

PROPERTIES

Chemical Structure	: Polymer modified bitumen
Color	: Brown to black.
Density	: 1,20 kg/l
Solid Content	: ≥70 %
Application Temperature	: +5 °C - +35 °C
Service Temperature	: -20 °C - +80 °C
Curing	: 3 hr
Drying	: 2-5 days
Elongation at Break	: ≥300%

PERFORMANCE

TEST	STANDART	CRITERION	RESULT
Watertightness	EN 15820	Period: 24 hr Water Pressure: 0,075 Bar Dry film thickness ≥3 mm (Without glass fiber mesh)	W1
Crack Bridging Ability	EN 15812	Crack: ≥2 mm	CB2
Flexibility at Low Temperature	EN 15813	Period:1 hr Temp.: 0 °C	Pass
Dimensional stability at high temp.	EN 15818	Period:1 hr Temp.: 70 °C	Pass
Water Resistance	EN 15817	28 days in water	Pass
Rain Resistance	EN 15816	24 hr	R1
Thickness when fully dried	EN 15819	≤50%	Pass
Reaction to fire	EN 13501-1	Euroclass	E

APPLICATION

Surface Preparation

Application substrate must be dry, sound, mainly smooth, clean and fine pored, free from honey combs, voids, cracks, ridges, dust, tar, pitch forming oil, old paint and other bond breaking residues. Wooden or iron wedges must be removed from the surface and active water leakages must be prevented. Voids and hollows must be filled. On vertical and horizontal corners fillet with min. 4 cm radius must be applied. Priming the substrate with diluted **CERMIPROOF BITUM** mixture is highly recommended.

Mixing

Ready to use product, however mixing before use is recommended to get homogenous consistency.

Primer Application

Mix the material as described. Take enough amount of material and dilute 1:3 or 1:5 of water depending on the substrate absorbency. Mix with 400-600 rpm electric drill until lump free, homogenous consistency obtained. Apply equally on the substrate with a brush and do not allow accumulation on horizontal surfaces. Wait until the primer sufficiently cured before the first coat application.

Protection of the Coating

Wait until the waterproofing coating sufficiently cured before backfilling the excavation. The product must be applied on the prepared surface as 2 coats by brush, trowel or spray. The second coat must be applied after the first coat is fully dry. **CERMIPROOF BITUM** must be protected from damages during the backfilling with a suitable drainage or heat insulation boards. Sharp stones, rubbles and etc. are not suitable for backfilling. **CERMIPROOF BITUM** is not UV resistant, it should be covered properly after application.

Cleaning of Tools

Clean the tools and equipments with warm soapy water after the application. Once **CERMIPROOF BITUM** is cured, it can only be mechanically removed from the surface by using a suitable solvent.

PRECAUTIONS

- Do not apply **CERMIPROOF BITUM** if the ambient and substrate temperature is less than 5 °C or more than 35 °C.
- Do not apply **CERMIPROOF BITUM** under the rain or prediction of rainy weather.
- Application must be protected from direct sun-light, wind, frost or rain in 24 hours.
- Working times of cement and bitumen emulsion based systems are affected from environmental and surface temperatures, and relative humidity in the air. In low temperatures the reaction slows down, and this increases working period and working time. High temperatures accelerate the reaction and the periods stated above decrease depending on this. In order to complete the curing of material, environmental and surface temperatures must not decrease below the minimum allowed temperature.
- Areas that are not fully cured must not be exposed to water.
- Coating has to be applied on the surfaces of structure or structure parts that contact with water.



- **CERMIPROOF BITUM** must be used within 1 hour after mixing.
- Do not apply **CERMIPROOF BITUM** inside the potable water tanks and swimming pools.

CONSUMPTION

1.5 kg/m² should be applied to obtain 1 mm dry film thickness.

Application Surfaces	DRY Film (mm)	Consumption (kg)
Areas exposed to ground moisture	3 mm	4,5-5 kg/m ²
Waterproofing for temporary and high pressured water leakages	3 mm	4,5-5 kg/m ²
Areas subject to continuous pressure water	4 mm	6 kg/m ²

PACKAGING

30 kg

STORAGE & SHELF LIFE

- Store in cool and dry conditions protected from frost. In short-term storage, maximum 2 palettes can be stored on top of each other and delivery must be according to first in first out system. In long-term storage, do not store palettes on top of each other.
- 12 months after the production date under appropriate storing conditions. **CERMIPROOF BITUM** may freeze under 0 °C. Tightly seal the cover of the opened pails and do not store more than one week.

HEALTH AND SAFETY PRECAUTIONS

- Work cloth, protective gloves, goggles and masks concordant with Work and Worker Health rules must be used during the application.
- Due to irritant effects of the non-cured material, avoid contact to skin and eyes during storing and application.
- If such a contact occurs, skin and eyes must be washed by soap and plenty of water.
- Consult a physician urgently if swallowed.
- Food and drink must be kept outside the application areas.
- Must be stored away from children.
- Please look at the Material Safety Data Sheet for detailed information.

Note: The initial controls of our product are made during the production phase. We guarantee the stability of our products' quality. All recommendations and instructions on the technical sheet are generally based on our experience. Please contact us for applications on special surfaces not mentioned in the technical sheet. Our company reserves the right to update the information on the technical sheet in the case of technical necessities without prior notice. This new catalogue supercedes the previous editions.

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