EN

Kb Coat UV

Construction Chemicals > Waterproofing Products > Bitumen Rubber-Based

It is a polymer-modified bitumen, rubber-based, single-component, high-elasticity waterproofing product. It can be easily applied with a brush, trowel, or spray machine, providing a permanently flexible waterproofing layer.

Fields of Application

- Reinforced concrete - metal and steel surfaces
- Wet areas, retaining walls
- Horizontal and vertical surfaces
- As a repair product on roofs, in hidden gutters, and at chimney bases
- Repair of bituminous membranes
- Protection and waterproofing of structures and building elements exposed to leakage water or temporary/continuous water pressure
- External waterproofing of water tanks, basement and parking deck waterproofing
- Application for bonding insulation and drainage boards
- Foundation and shear walls

Advantages

- Easy to prepare and apply
- UV-resistant product
- Provides seamless waterproofing
- Adheres perfectly to the applied surface
- High crack-bridging capability
- Water-based and environmentally friendly
- Can be applied on both vertical and horizontal surfaces, does not drip

1 Surface Preparation

The application surface must be solid, dry, clean and free from loose parts. The pointed ends and corners on the surface should be rounded with a spiral stone and deep gaps should be closed with repair mortar. Internal corners and joints of the walls should be chamfered. The application surface should be primed with solvent-free bitumen primer and the application should be started after the primer is completely dry. Surfaces that will reduce the adherence of the material should be roughened.

2 Undercoating

Primer can be applied by diluting the product 1/5. The material should be evenly distributed with a suitable brush and applied on horizontal surfaces without allowing material accumulation. Wait for the primer to dry and then proceed with the actual application. 0.25 kg/m^2 is recommended.

3 Application

It should be applied to the prepared surface with a brush, trowel or spray in at least 2 coats. After the first coat application, the second coat application must be completely dry. The second coat should be applied perpendicular to the first coat.

4 Storage Life

Shelf life is 12 months in an unopened and sun-free environment. Attention should be paid to product circulation and shipment should be provided with the principle of 'FIRST IN FIRST OUT'.

5 Consumption Rate

1.5 kg/m^2 should be applied to obtain 1 mm dry film thickness.

Area of Use	Dry Film (mm)	Consumption(kg)
Areas exposed to ground moisture	3 mm	4,5 kg/m^2
Temporary insulation against pressurised water	3 mm	4,5 kg/m^2
Areas exposed to continuous pressurised water	4 mm	6 kg/m^2

6 Packaging

It can be prepared as 5-20-30 kg in plastic buckets.

7 Points To Consider

- Do not apply when it is raining or when there is a possibility of rain
- Protect from frost, sun and strong wind for the first 24 hours after application
- The application should be made on the part of the structure in contact with water
- Since the curing of the material will be slower in cold weather, make sure that the first coat is completely dry before applying the 2nd coat.
- Attention should be paid to the application temperature, application should be made in the temperature range of +5°C +35°C





TECHNICAL DATAS

Composition	Polymer Modified Bitumen Rubber
Color	Brown - Black when dry
Density (g/cm^3): A / A+B	1,20 kg/l
Solid Matter Ratio	70 %
Application Temperature	+5 °C / 35 °C
Service Temperature	-20 °C / 80 °C
Mixing Ratio (A/B)	30 KG
Full Drying	1-5 Days

TEST	STANDARD	CRITERIA	CONCLUSION
Water Impermeability	EN 15820	Duration: 72 hours Pressure: 0.75 Bar Dry film thickness ≥ 3 mm (without mesh)	W2B
Crack Bridging	EN 15812	Bridged Crack : ≥ 2mm	CB2
Low Temperature Flexibility	EN 15813	Duration: 1 hour Temperature: 0 °C Method: Bending in 3 s	PASS
Dimensional Stability at High Temperature	EN 15818	Duration: 2 hours Temperature: 70 °C	PASS
Water Resistance	EN 15817	28 days soaking in water	PASS
Rain Resistance	EN 15816	Sprinkling is done 8 hours after application.	R1
Reduction in Layer Thickness	EN 15819	should be less than 50 per cent.	PASS
Fire Classification	EN 13501-1	Euroclass	E
Elongation at Break	ISO 37		% 1000
UV Resistance	MIL-STD-810G	2 Years UV Resistance/Aging	PASS

*It is production viscosity, it may increase over time.