



Technical Data Sheet

BAYCOLASTIC-RC570

Highly elastic, bitumen polyurethane based waterproofing material



Description:

BAYCOLASTIC-RC570 is a two component, low viscosity, polyurethane bitumen waterproofing material,

Areas of Application:

BAYCOLASTIC-RC570 can be used to waterproof;

- Rooftops and car parks,
- Verandas and balconies,
- Bathrooms,
- Light roofing made of metal or fibrous cement,
- asphalt membranes,
- EPDM membranes,
- bridge platforms.

Properties/Advantages:

- The product produces an elastic strong film with excellent adhesion to different surfaces.
- Apply with brush, roller or airless spray in two coats with minimum total consumption of 1,50 -2,00 kg/m².
- It has no UV resistance. It must be covered after the application.
- The product is based on pure elastomeric hydrophobic polyurethane resin plus special inorganic fillers, which result in excellent mechanical, chemical, thermal and natural element resistance properties.

Technical Data:

Chemical base: bitumen
polyurethane based resin
Colour: Black
Density: 0,98 - 1,02 g/cm³
Shore-A Hardness: 35 (TS EN ISO 868)
Elongation at break: >2000% at 23°C (TS EN ISO 527-2)
Dry Time: 2 – 4 hours
Application
Temperature: 10°C - 35°C
Cure Time: 7 day hours.
Pot Life : 30-35 minutes.
Light Traffic: 18-24 hours.

Tensile strength

at break: >2 N/mm² at 23°C
(TS EN ISO 527-2)

Conditions: 20°C, %50 relative humidity.

Packaging:

40 litre set. (20 kg + 20 kg) metal cans.

Storage:

Can be kept for minimum 9 months in the original unopened pails in dry places and at temperatures of 5°C-30°C. Once a can has been opened, use as soon as possible.

Surface Preparation:

Clean the surface using jet water, if possible. Remove oil, grease and wax contaminants. Cement laitance, loose particles, mould release agents, curing membranes must be removed. Fill surface irregularities with the necessary product. Concrete substrates must have minimum standards as follows:

Concrete substrate conditions (standard):

- Hardness: R₂₈ = 25 Mpa
- Humidity: W < 5%
- Temperature: 10°C -40°C
- Relative humidity: < 80%

Product Preparation:

Before application, mix the A and B component with a proper mixer. Mix it with for 3-5 minutes with underspeed until you have a homogen mix.

Method of Application:

Priming:

At dry porosity substrates apply BAYCOFLOOR-EP126O/-1261 following the guidelines according Technical Data Sheet.

At humid substrates apply BAYCOFLOOR-EP1240 following the guidelines according Technical Data Sheet.

If there is a negative pressure situation apply a two component, epoxy based primer.

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Material Application:

Apply the material with roller or brush in two or three coats with a 1,50-2,00 kg/m² total consumption. Second or third coat application should be after 12-72 hours. Do not leave more than 48 hours between coats.

Health and Safety:

Contains volatile flammable solvents. Apply in well-ventilated, no smoking areas, away from naked flames. In closed spaces use ventilators and carbon active masks. Please refer to MSDS for details.

Cleaning:

Clean tools and equipment first with paper towels and then using acetone or pure xylene.