



Technical Data Sheet

BAYCOLASTIC-RC500

Highly elastic, polyurethane based waterproofing material



Description:

BAYCOLASTIC-RC500 is a one component, low viscosity, polyurethane liquid waterproofing material, which cures with the humidity in the atmosphere.

Areas of Application:

BAYCOLASTIC-RC500 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.
- 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: polyurethane based resin
Density: 1,35 – 1,45 g/cm³
Viscosity: 2000-3000 cP at 23°C
Elongation at break: > 600% (TS EN ISO 527-2)
Tensile strength at break: >3 N/mm² (TS EN ISO 527-2)
Application Temperature : 10-35 °C

Resistance to light foot traffic: 12 hours

Complete cure: 36 hours

Packaging:

25 kg metal can.

Storage:

Can be kept for minimum 9 months in the original unopened pails in dry places and at temperatures of 5°C-25°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 = 15 Mpa
- Humidity: W < 5%
- Temperature: 5°C -35°C
- Relative humidity: < 85%

Product Preparation:

Stir briefly before the application by using a 300 rpm drill.

Method of Application:

Priming:

At dry porosity substrates apply BAYCOFLOOR-EP1260/-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.

Material Application:

Apply the material with roller or brush in two coats with a total consumption of 1,5-1,8 kg/m². Do not leave more than 48 hours between coats.

BAYCOLASTIC-RC 500

Cleaning:

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

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.