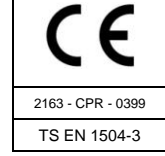




BAYCODUR-1300

Two component epoxy adhesive specially designed for BAYCOPLATE products



Description:

Specially designed two component epoxy adhesive for BAYCOPLATE products.

Areas of Application:

BAYCODUR-1300 is primarily used epoxy adhesive for BAYCOPLATE Systems.

Properties/Advantages:

BAYCODUR-1300 is moisture-tolerant and can be used at every structural strengthening applications.

- Specially designed for BAYCOPLATE products,
- Suitable for over head applications,
- Long pot life,
- Moisture-tolerant during cure and after,
- High strength and high modulus features,
- Excellent bonding to concrete, metal, masonry, etc.,
- High abrasion and shock resistance,
- Solvent free.

Technical Data:

Basis:	two component epoxy resin
Color:	light gray
Mixing ratio:	3:1 (by volume, A:B)
Tensile strength:	24,8 MPa (7 days) ASTM D-638
Elasticity modulus:	4,5 MPa (7 days) ASTM D-638
Elongation at break:	%1 (7 days) ASTM D-638
Flexural strength:	46,8 MPa (14 days) ASTM D-790
Adherence strength:	18,6 MPa (2 days, moisture cure, concrete to concrete) ASTM C-882 18,6 MPa (2 days, dry cure, concrete to concrete) ASTM C-882 21,3 MPa (14 days, moisture cure, concrete to concrete) ASTM C-882

Adherence strength:	20,6 MPa (2 days, moisture cure, concrete to metal) ASTM C-882 17,9 MPa (14 days, dry cure, concrete to metal) ASTM C-882
Compressive strength:	59,3 MPa (7 days, 23°C) ASTM D-695 59,3 MPa (14 days, 23°C) ASTM D-695 59,3 MPa (28 days, 23°C) ASTM D-695
Pot life:	at +23°C 70 minutes
Application temperature:	>4°C

Packaging:

5 kg sets.

Storage:

The product can be stored for 2 years in suitable conditions.

Surface Preparation:

- All loose and adhesion inhibitive particles should be removed from the surface.
- For best results the surface must be moisture or dry. Frost or water films should be avoided.
- Adherence strength of the concrete should be considered.
- Adequate roughness should be obtained at concrete substrates through blast, shot-blast, etc. applications. At metal surfaces blast application shall be done until a white look is obtained.

BAYCODUR-1300

Product Preparation:

Premix each component. After that, pour Component B into Component A and stir for approx. 3 minutes until a homogeneous mix is obtained. To obtain an epoxy mortar mix premixed mixture with quartz sand with portions of 1:1 and stir until a homogeneous mixture is obtained.

Method of Application:

Prepared mixture shall be applied onto the surface as of 1,5 mm. thickness. After that BAYCODUR-1300 shall be applied onto the BAYCOPATE as of 1,5 mm. thickness. Then, the plate shall be fixed to the surface. The plate shall not be moved from its place for 24 hours.

Average Epoxy Consumptions:

Plate Width	BAYCODUR-1300
20/50 (mm.)	0.35 (kg/m ²)
60 (mm.)	0.40 (kg/m ²)
80 (mm.)	0.55 (kg/m ²)
90 (mm.)	0.70 (kg/m ²)
100 (mm.)	0.80 (kg/m ²)
120 (mm.)	1.00 (kg/m ²)
150 (mm.)	1.20 (kg/m ²)

Cleaning:

Clean the tools with the appropriate cleaner right after the application.

Health and Safety:

Please refer to MSDS for details.

Important Advices:

- Minimum application temperature is 4°C and the product shall be heated to 18°C - 29°C.
- The product shall not be thinned.
- Maximum application thickness is 25 mm.
- The concrete age should be at least 28 days.
- Before mixing with quartz sand, make sure that the quartz sand is dry.