RepaCoat FX DG P #0373

Product description

RepaCoat FX DG is a putty, cold-curing expoy formulation with excellent chemical resistance achieved through the use of special resins, as well as additives and inert fillers. RepaCoat FX DG is particularly suitable as protection against mixtures of aggressive chemicals.

Typical applications

2-component coating with an excellent resistance to aggressive chemicals in:

- Tanks, tubes, pipes and pumps
- Chemical industry, oil industry
- Refineries
- Exhaust systems

Characteristics

- Elastomeric, permanent flexible coating and joint sealer
- Protects the base material from aggressive media
- Resistant to most inorganic acids and at the same time against aggressive organic acids
- High resistance to solvents
- demonstrably increases the service life of pipes, pumps and tanks
- Easy application by brushing or spraying

Product data condition of delivery

Hue Comp. A (resin)	red
Comp. B (hardener)	beige
Storabillity	Cool and frost-free between 5°C – 20°C without direct sunlight, shelf life for 2 years. High temperatures reduce durability.
Mixing ratio resin / hardener [volume (ltr.)]	(A : B) 2 : 1
resin / hardener [weight (g)]	(A : B) 740 : 260

Pot life	40 minutes at +20°C
Curing curing time fully cured/chemically fully loadable	24 hours at +20°C 7 days at +20°C
Processing temperature	Minimum processing temperature +15 °C

Product data (outreacted product)

Density	1.3 g/cm³
Strength	80
color	grey

Retention / Shelf life

store in original, unopened container dry, cool and frost-free (+5°C to +20 °C) . Shelf life 2 years. Protect from direct sunlight. High temperatures reduce shelf life.

Preparation / Surface condition

Roughening of the surface by sandblasting (preferably) or grinding, up to a roughness depth of 100µm +/- 20µm, blasted sharp edges (blasting material G). Recommended surface preparation grade Sa 2,5.

Processing parameters

The processing time (potting time) of the material begins as soon as the two components A and B have been completely mixed with each other by means of a mixing coil. Potting time and curing time depend on the amount of material (volume) and temperature. With larger containers, the potting time may be reduced due to a higher reaction heat. The material hardening can be accelerated by heating. The maximum permissible temperature for accelerated curing is 50°C. The required curing temperature is 5°C . At low temperatures it is recommended to preheat the components.

Application

RepaCoat CH can be brushed, rolled or sprayed. The optimal spraying conditions must be determined individually in preliminary tests (generally good results are obtained when heated to approx. 50°C and 200 to 300 bar). The minimum application thickness is 350µm. If a second layer is applied, an optimal bond to the first layer is achieved if the first layer has reacted at least 1.5 hours. In case of subsequent vibration loading, the layer thickness should not exceed 1mm. Deeper excavations in the object should

be done with RepaCoat CH 40 P # 2111.

Mixing

To mix RepaCoat CH, Component B is placed completely in the container with Component A. Mix intensively with a hand drill and the Diamond Mixing Propeller #0789. Wipe off material sticking to the wall of the container with a spatula and mix. Mix again thoroughly.

Disposal

Not used Residual material from the cans can be disposed of normally if it has been mixed in the correct mixing ratio and is fully cured (EAKV 170 203). Unmixed material must be disposed of as chemical waste (EAKV 080 111). When booking the Diamant Service Team, waste is disposed of by us.

Safety data sheet

Please read the corresponding safety data sheet before processing the product. Safety data sheets are available daily on request via info@diamant-polymer.de or by phone at +49-2166-98 360.DIAMANT guarantees the product characteristics as long as they are stored and used according to the specifications listed here. DIAMANT assumes no responsibility for the processing of the material. For further questions, our technicians are at your disposal.

value entry

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