dichtol WF49 1:4 #2180

Product description

dichtol WF 49 is a specially developed, moisture-curing impregnation system with a very high solvent resistance. Depending on the adjustment variant, dichtol WF 49 can be used to seal smallest pores up to 0.1mm or particularly large pores from 0.1 to 0.5mm. This ensures a high pressure tightness of components, even in difficult object structures. In the case of locally known leaks, selective impregnation ensures an efficient use of materials.

Characteristics

- Efficient material consumption
- Versatile application possibilities by dipping, brushing, injecting, spraying
- Temporary corrosion and transport protection
- Resistant to aggressive solvents
- High penetration depth

Typical applications

- Capillary active deep impregnation of micropores, hair cracks and porosities
- selective series impregnation
- Single impregnation (of large components)

Pack sizes

Article	Description
M04 1 litre	

Custom sizes on request.

Product data condition of delivery

Farbton component A (resin)	yellowish

Storabillity	6 months
Density	0,96 mm
Viscosity	1-10 mPas
Mixing ratio	varies

Productdata mixed

Curing Surface drying	6 min at 20°C
up to 5mm wall thickness	8(16)
5-10mm	10(20)
10-15mm	12(24)
>15mm	16(32)
Processing temperature	+15 °C to +30 °C
Usage	N/A

Product data (outreacted product)

Temperature resistance (permanent)	200 °C
Temperature resistance (briefly)	215 °C
color	transparent
pore size	0 - 0,5 (depends on setting) mm

Storage / Shelf Life

Storage at 15°C to 30°C: 6 months in sealed containers, store in a dry place. Avoid temperature fluctuations at all costs, as the product is sensitive to moisture! Dichtol WF 49 must not be used if it

comes into contact with moisture. Colour change can occur with heat and UV radiation: transparent/clear up to yellow colouring. These changes usually do not affect the technical quality of the product.

Processing/Preparation

Mix Dichtol WF 49 well with Diamond Thinner #1285 in the desired setting variation. Dirt residues, foreign bodies, grease and other substances must be completely removed from the pores to be sealed. For this purpose we recommend the use of DIAMANT (#1417).

Application

The object temperature should not exceed 40°C, otherwise penetration of the polymer cannot be 100% guaranteed.

Brush & Spray

apply sealant in 4 stages at intervals of about 1 minute and keep damp on the surface for at least 5 minutes. This allows dichtol to penetrate deep into the pores.

Inject

dichtol into the blind hole (or similar) and allow to act for 5 minutes. If necessary, remove excess material after the exposure time by suction/discharge.

Dipping

Dip the component to be treated completely in dichtol. Remove the component after an exposure time of approx. 10 minutes.

Curing

dichtol WF 49 is a chemically setting product that cures at temperatures from 5°C to 35°C at a relative humidity of 35% to 85%. The physical hardening is given after a short time. Full chemical resistance is achieved after a short time. Full chemical resistance is achieved after 7 days.

Disposal

Do not empty into drains or water courses. Waste and containers must be disposed of in a secure manner. Disposal according to Directive 2008/98/EC on waste and hazardous waste. Proposal list for waste codes/waste designations according to EAKV 080111* Waste paints and varnishes containing organic solvents or other hazardous substances *Hazardous waste according to Directive 2008/98/EC (Waste Framework Directive). Non-contaminated and empty packaging can be recycled. Containers that are not emptied properly are hazardous waste.

Safety data sheet

Please read the corresponding safety data sheet before processing the product. Material Safety Data Sheets are available on a daily basis upon request via info@diamant-polymer.de or by phone +49-2166-98360.DIAMANT guarantees the product properties 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.

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