

## ■ dichtol HM #2407

### Product description

dichtol HM 2407 is a specially developed 2-component impregnation system with high solids content and high chemical resistance. With dichtol HM 2407 even warm objects or TS coatings with a surface temperature of 20°C to 120°C can be sealed. The cured product is slightly flexible and can thus compensate for thermal expansion.



### Characteristics

- High penetration depth
- Resistant to corrosion and weathering
- High electrical impact resistance
- High solids content (>96%)
- Resistant to acids and lyes
- Sealing directly on warm surfaces (up to +120°C)
- Long potting time
- Very good adhesion to metals and ceramics
- Diverse application possibilities: dipping, painting, injecting, spraying

### Typical applications

- Capillary-active impregnation of micropores and hair cracks
- Sealing of TS coatings, especially for ceramic insulation coatings

### Pack sizes

Article	Description
02D 100g	

Custom sizes on request.

### Product data condition of delivery

Hue component A (resin)	slightly yellowish
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Storability	1 year at (5°C-20°C)
Density	1,05 g/cm <sup>3</sup>
Viscosity	22 [sec] / 75(mPas)
Mixing ratio	2407A(resin):2407B(hardener) 75 : 25 (by weight)

### Productdata mixed

Pot life	(100g)- 20°C for 6 h
Curing Surface drying	20h
up to 5mm wall thickness	36(192)
5-10mm wall thickness	36(192)
10-15mm wall thickness	36(192)
>15mm wall thickness	36(192)
Processing temperature	20°C to 120°C

### Product data (outreacted product)

Temperature resistance (permanent)	200 °C
Temperature resistance (briefly)	220 °C
Wet layer thickness	20 µm
color	slightly yellowish
pore size	0 - 0,5 mm

## Storage / Shelf life

Store in original, unopened container in a dry, cool and frost-free place (+5°C to +20°C). Shelf life 1 year.

## Preparation

Dirt residues, foreign bodies, grease and other substances must be completely removed from the pores to be sealed. For this purpose we recommend the application of DIAMANT Cleaner #1417.

## Application

The object temperature should not exceed the application temperature of 120°C, otherwise the penetration of the polymer cannot be guaranteed 100%! If necessary, weigh the two material components exactly in a clean container in the correct mixing ratio and mix well, or mix the supplied container completely with each other.

## Brush & Spray

apply dichtol evenly in about 4 stages at intervals of about 1 minute and keep damp on the surface for 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. After a reaction time of approx. 10 minutes, the component can be removed from the container.

## Curing

dichtol HM is a chemically setting product which sets at a temperature of 20°C for 20hrs. Should be curing.

## Disposal

Do not empty into drains or water courses. Waste and containers must be disposed of in a secure manner. Disposal in accordance with 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 appropriate safety data sheet before processing the product. Material Safety Data Sheets are available on a daily basis upon request via [info@diamant-polymer.de](mailto: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 does not assume any responsibility for the processing of the material. Our technicians will be happy to answer any further questions you may have.

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