

## ■ dichtol AM Hydro #2589

### Product description

dichtol AM Hydro is a ready-to-use, water-based 1-component system for the impregnation of metals and TS coatings. The simple and versatile application (immersion, painting) allows reliable impregnation even for complex components.



### Characteristics

- no solvents
- for small to medium pore sizes till 0,2mm
- Very high temperature resistance up to +130°C
- Efficient material consumption
- Diverse applications (diving, painting, injecting, spraying)
- Specific series impregnation / single impregnation (of large components or surfaces)
- Low investment costs
- Colorless
- no heat treatment required to develop the high temperature resistance

### Application

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

#### • **Brushing:**

Apply dichtol in 4 steps at intervals of about 1 minute and keep the surface moist for 5 minutes. This allows dichtol to penetrate deep pores.

#### • **Inject**

Inject dichtol into the blind hole (or similar) and let it absorb for about 5 minutes. If necessary, excess material can be poured off/aspirated again after the reaction time.

#### • **Dipping**

Components to be treated must be completely immersed in dichtol. After an exposure time of about 10 minutes, the component can be removed from the container.

## Pack sizes

Article	Description
K34 1 litre	

Custom sizes on request.

## Product data condition of delivery

Hue component A (resin)	colorless
Storability	12 months
Density	1,22 (g/xm <sup>3</sup> )
Viscosity	too thin
Mixing ratio	1-component product, mixing is unnecessary

## Productdata mixed

Curing Surface drying	6 min at 20°C
up to 5mm wall thickness	12(48)
5-10mm wall thickness	12(48)
10-15mm wall thickness	18(60)
15mm wall thickness	24(72)
Processing temperature	+10 °C to +40 °C
Usage	1 litre for ca. 20m <sup>2</sup>

## Product data (outreacted product)

Temperature resistance (permanent)	700 °C
color	colorless
pore size	0 - 0,1 mm

### Storage / Shelf Life

Store in original, unopened container in a dry, cool and frost-free place (5°C to -+20°C). Shelf life 12 months.

### Processing / 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 use of DIAMANT Cleaner #1417.

### Application

The object or application temperature should not exceed +40°C, otherwise the penetration behaviour of the polymer may be reduced.

### Brush & Spray

apply dichtol in 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 & Fill

inject dichtol into the blind hole (or similar) and leave for 5 minutes. If necessary, vacuum off / pour out excess material after the exposure time

### Dipping

Dip the component to be treated completely in dichtol. After an exposure time of approx. 10 minutes, it can be removed from the container.

### Curing

dichtol physically dries at room temperature in 48 hours

### 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 appropriate safety data sheet before processing the product. Safety data sheets are available daily on request via [info@diamant-polymer.de](mailto: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. Our technicians will be happy to answer any further questions you may have.

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