

## ■ dichtol WFT Slow #2507

### Product description

dichtol WFT is a very thin, high-performance polymer for infiltration, impregnation and sealing of porous structures, layers and components. dichtol WFT urgently independently seals porous structures and cracks and seals them permanently and reliably. The product has a very high capillary activity and cures without heat input under ambient conditions. The application is done atmospheric, i.e. without vacuum or pressure. The cured polymer fills open pores or cracks and has good resistance to oils, lubricants and coolants.



### Characteristics

- Efficient material consumption due to punctual application even with vagrant porosities
- Various applications by dipping, injecting, spraying or brushing
- Temporary corrosion and transport protection
- Drinking water and food authorisation

### Typical applications

- Impregnation of metals, impregnation of castings
- Sealing of thermally sprayed coatings (sealers for APS, HVOF, LDS, flame spraying)
- Infiltration of 3D printed components, additive manufacturing, generative manufacturing

### Product data condition of delivery

Hue component A (resin)	colorless
Storability	5 years
Density	0,96 [g/cm <sup>3</sup> ]
Viscosity	14 [mPas]
Grain	does not contain pigments / particles, 100% solution

Mixing ratio	1-component product, mixing is unnecessary
Pot life	not available
Curing Surface drying	6 min at 20°C
up to 5mm wall thickness	6 (24)
N/A	N/A
N/A	N/A
Processing temperature	+10 °C to +40 °C
Usage	1 litre for ca. 20m <sup>2</sup>

### Product data (outreacted product)

color	purple
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 +30°C). Shelf life 5 years.

### 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 sealant in 4 stages at intervals of about 1 minute and keep damp on the surface for at least 5 minutes.

## Inject & Fill

dichtol into the space to be sealed (e.g. blind hole, threaded hole, cooling channel, etc.) and allow to react for at least 5 minutes. Then, if necessary, pour off excess material.

## Dipping

Dip the component to be treated completely in dichtol. After a reaction time of at least 5 minutes, remove the component and allow to drain well.

## Curing

dichtol WFT cures within a short time. Please refer to the table for the exact times. We distinguish the hardening in three stages:

1. Surface hardening = time from which the material is grip-resistant and can be moved
2. Mechanical through-hardening = time from which the material can be mechanically processed
3. Full through-hardening = time from which the material has reached its full chemical resistance

## Disposal

Do not empty into drains or waterways. 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. 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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