

■ dichtol HS-EP #2616

Productdescription

dichtol HS-EP is a 2-component impregnation system with a high solids content and high chemical resistance. dichtol HS-EP can also be used to seal warm objects or TS coatings with surface temperatures from 10°C to 120°C. The cured product is clear and colourless with a hard surface.

Characteristics

- High penetration depth
- Corrosion and weather resistant
- High solids content
- Resistant to a wide range of chemicals (solvents, acids, alkalis)
- Sealing directly on warm surfaces (up to +120 °C)
- Medium pot life
- Very good adhesion to metals and ceramics
- Wide range of applications by brushing, injecting, spraying, dipping

Typical applications

- Capillary-active impregnation of micropores and hairline cracks
- Sealing of TS layers
- Sealing of surfaces without affecting the substrate colour



Available in the following versions

ARTICLE	PRODUCT	DESCRIPTION
#2616	dichtol HS-EP	2-component set, available in 0.5 litre, 1 litre (special sizes on request)

Product data delivery condition

PROPERTIES	VALUE	VALUE
	#2616A (Resin)	#2616B (Hardener)
Colour	Clear, colourless	Clear, yellowish
Density	1,14 g/cm ³	0,97 g/cm ³
Viscosity	89 (mPas)	35 (mPas)
Mixing ratio by weight	2616A (Resin) : 2616B (Hardener) 71,5 : 28,5	
Pot life - 100g at 21 °C	85 min	
Processing temperature	+10 °C to 120 °C	

Product data, mixed

PROPERTIES	VALUE
Pot life 100 g at 20 °C	Approx. 80 min.
Mixed viscosity	75 mPas
Mixed density	1,09 g/cm ³
Curing at +20 °C	Surface drying approx. 3 hours Mechanically solid approx. 24 hours Chemically fully resistant approx. 24 hours
Processing temperature	10 °C to 100 °C

Product data, reacted product

PROPERTIES	VALUE
Shore D	85
Layer thickness	50 µm
Temperature resistance	150 °C
Colour	Clear, colourless

Storage/shelf life

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

Preparation

The pores to be sealed must be clean and dry. Make sure that there are no dirt residues or foreign bodies (e.g. crack sealant) in the pores, as these can negatively affect the penetration behaviour of the sealer. We recommend DIAMANT Cleaner #1417 for cleaning dirty surfaces.

Application

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

Brushing & spraying

Apply dichtol evenly in about 4 working steps at intervals of about 1 minute and keep the surface moist for 10 minutes. This allows dichtol to penetrate deep into the pores.

Injecting

Inject dichtol e.g. into a drilled hole (or similar) and leave to work for 10 minutes. If necessary, siphon off/pour out excess material after the exposure time.

Dipping

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

Curing

dichtol dries out under room conditions. The drying times can be found in the table with the technical data. Curing can be accelerated by temperature.

Waste disposal

Do not empty into drains or waterways. 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). Uncontaminated and emptied packaging can be recycled. Containers that are not properly emptied are hazardous waste.

Safety data sheet

Please read the relevant safety data sheet before using the product. Safety data sheets are available on a daily basis on request via info@diamant-polymer.de or by telephone on +49-2166-98360.

DIAMANT guarantees the product properties as long as they are stored and used in accordance with the specifications listed here. DIAMANT accepts 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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The technical data listed here was determined under laboratory conditions and verified by quality assurance processes on the day of product manufacture. We reserve the right to make changes without prior notice. The customer is responsible for verifying the up-to-dateness of the data and should contact DIAMANT before ordering the material. Application, use and processing are beyond our control and are therefore the sole responsibility of the purchaser. Should liability nevertheless arise, this is limited to the value of the goods supplied by us and used by you. We guarantee the flawless quality of our products in accordance with our general terms and conditions of sale and delivery. All technical data vary depending on the loads and conditions of use. We will provide specific application data on request in each individual case.