

## Special Impregnation sealant IM3000

This sheet supersedes the one dated: July 27<sup>th</sup> 2015

**Description:** Cross linking mixture of mono- and polyfunctional methacrylic monomers

### Physical data of liquid resin:

**Appearance:** Yellow to light yellow and clear, fluorescent on demand

**Smell:** Pleasant smell like ester

**Flammable point:** 102 °C (DIN 51758)

**Boiling point:** 240°C at 1013 mbar

**Viscosity at 20°C:** 16 ±1 mPas  
33 ±1s Zahn Cup No 1  
27 ±1s Frikmar Becher No 3

**Density at 20°C:** 1,043 ±0,003g/ml

**Vapour pressure at 20°C:** 0,1 mbar

**Washability:** Excellent

**Solubility in water:** 107 g/l

**Storage conditions:** Non-catalyzed: 12 months at max. 35°C  
Catalyzed: 12 months(\*) at max. 25°C  
Modifications through metals, alkalis, peroxides and direct sunlight.  
(\* in original packaging; do not keep under inert gas)

**Gel time at 90°C:** 3 - 7 minutes, recommended (catalyzed with 0,2 or 0,3%)

### Physical data of hardened resin:

**Appearance:** Clear plastic with or without some cracks. Fluorescent execution to retrieve the plastic in the porosity of the castings using an UV-lamp.

**Hardness:** 98 Shore A

**Temperature range:** -110°C to +200°C; Short time up to +250°C  
Permanent temperature load max. 200°C  
Short temperature load max. 250°C temperature resistance depends on size of porosity

**Chemical resistance:** The resin sticks do not show any remarkable absorption of unpolar liquids such as fuel and oil. Chemical resistance list available on request.

**Pressure resistance:** According to ambient metal.

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### Approvals of IM3000:

- KTW-Homologation: (Hygiene-Institut Gelsenkirchen June 12th 2015) Hot water test (85°C)  
Cold water test (23°C)  
Release for drinking water
- NSF International: (2001, last update July 2016) Certified to ANSI/NSF 61 Drinking water treatment chemicals and system components Health Effects
- UL Underwriting Laboratories: (3rd April 2012) Certified to UL87; EQQY2) UL 87, Power-Operated Dispensing Devices for Petroleum Products; IM3000 may be used when in contact with the following fluids: Fuel oil; Kerosene; Diesel; Gasoline; Gasoline/ethanol blends at levels designated as "gasohol" (E10 maximum); LP-Gas; Natural or manufactured gas.
- Release acc. to QPL-17563, Class 1 and 3 acc. to MIL-I-17563-B (1992) and C (1995)
- Technologisches Gewerbemuseum: Biological degradation Wien (1988)
- Lloyd's Register of Shipping: (2014) Statement of non-objection
- TÜV certificate for production of impregnating resins according to DIN ISO 9001 / EN29001 since 1993; renewal in 2009 according to DIN EN ISO 9001:2008
- TÜV certificate for production of impregnating resins according to DIN EN ISO 14001 : 2009 (environmental management; since December 2011)
- Approval with all large car manufacturers
- Additional approvals upon request

All information is given without obligation. Our general business terms and conditions apply.