

Dencryl™ T2

Coloured top coat resin for dry areas

Description

Dencryl™ T2 resin is a solvent-free, medium-viscosity 2-component methacrylic resin offering high hardness and low yellowing.

The rather lower reactivity presupposes a temperature of application of at least +10°C (see also the "Hardener dosages" table below).

Application

Dencryl™ T2 resin is used as a pigmented top coat with enhanced flow properties.

Advice on application

Once moderately sized batches (5 – 10 kg) have been mixed with the necessary quantity of hardener as laid down in the "Hardener dosages" table, the resin is immediately poured onto the surface and applied crosswise, preferably by means of a paint roller. Although it is possible to spread it

roughly with a rubber blade first, the dwell time of the still liquid resin until final levelling on a sand surface must not be too long, as this may partly dissolve and leave colour tracks behind. To ensure the best possible properties, the minimum and maximum coating thickness must be observed. Material consumption for smooth coatings is approx. 400 g/m². If the coating thickness is exceeded (more than 800 g/m²), the top coat will tend to flake. Under braking strains the thermoplastic character of the surface may lead to tyre marks which in many cases can be removed again using suitable cleaning agents. It makes sense for the user to protect the surface against damage through careful use and care. Often it would be advisable to ensure that forklift trucks are driven appropriately, black tyres are exchanged for white ones or a surface care agent is used.

Characteristics of Dencryl™ T2 as delivered

| Property | Measuring method | Approx. value |
|--|------------------|------------------------|
| Viscosity at +20°C | DIN 53 015 | Approx 500 mPa·s |
| Flow time at +20°C, 4 mm cup | DIN 53 211 | 30 – 35 sec. |
| Density D ₄ ²⁰ | DIN 51 757 | 1.30 g/cm ³ |
| Flash point | DIN 51 755 | +10°C |
| Pot life at +20°C (100 g, 2 % pbw. hardening powder) | | approx. 12 min. |
| Application temperature | | -10°C to +30°C |

Characteristics of Dencryl™ T2 in the hardened state

| Property | Measuring method | Approx. value |
|---------------------------|------------------|--|
| Density | DIN 53 479 | 1.30 g/cm ³ |
| Ultimate elongation | DIN 53 455 | 6 % |
| Shore-D | DIN 53 505 | 72 – 76 |
| Water absorption, 4 days | DIN 53 495 | 125 mg (50 · 50 · 4 mm) |
| Water vapour permeability | DIN 53 122 | 1.05 · 10 ⁻¹¹ g/cm · h · Pa |

Hardener dosages

| Temperature | Hardening powder % pbw. * | Pot life approx. min. | Hardening time approx. min. |
|-------------|---------------------------|-----------------------|-----------------------------|
| +10°C | 4.0 | 15 | 40 |
| +15°C | 3.0 | 15 | 40 |
| +20°C | 2.0 | 12 | 30 |
| +25°C | 1.5 | 10 | 30 |
| +30°C | 1.0 | 10 | 30 |

* The quantity of hardening powder is always related to the quantity of resin.



Dencoat™ International · E-mail: info@dencoat.com · Website: www.dencoat.com

22¹⁾

T2 - 001

EN 13813 SR-AR1-B1,5-IR4

Synthetic resins for internal uses
(Application in accordance with the newest technical information)

| | |
|---|--------------------|
| Reaction to fire: | E _{fl} |
| Release of corrosive substances (Synthetic Resin Screen): | SR |
| Water permeability: | NPD ²⁾ |
| Wear resistance (Abrasion Resistance): | AR 1 ³⁾ |
| Bond strength: | B 1,5 |
| Impact resistance: | IR 4 |
| Sound insulation: | NPD ²⁾ |
| Sound absorption: | NPD ²⁾ |
| Thermal resistance: | NPD ²⁾ |
| Chemical resistance: | NPD ²⁾ |

CE-labelling

- 1) Last two digits of the year in which the ce marking was affixed.
- 2) NPD = No performance determined.
- 3) Refers to a smooth surface without broadcasting.

DenCoat™ E-mail: info@dencoat.com · Website: www.dencoat.com

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to the technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out by only qualified experts in the sole responsibility of a customer. Please contact DenCoat for the latest version. All our documents, offers, ect. are in association with our general sales, delivery and application conditions.