Dencryl™ T1

Coloured base layer resin for dry areas

DenCoat™
Tomorrows Floors Today

Description

Dencryl™ T1 resin is a solvent-free, high-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™ T1 resin is used as a pigmented base layer 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. 2 kg/m^2. If the coating thickness is exceeded.
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 fork-lift trucks are driven appropriately, black tyres are exchanged for white ones or a surface care agent is used.

Product Datasheet

Characteristics of Dencryl™ T1 as delivered

Property	Measuring method	Approx. value
Viscosity at +20°C	DIN 53 015	Approx 3000 mPa·s
Flow time at +20°C, 4 mm cup	DIN 53 211	30 – 35 sec.
Density D_4^{20}	DIN 51 757	1.70 g/cm³
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™ T1 in the hardened state

Property	Measuring method	Approx. value
Density	DIN 53 479	1.70 g/cm³
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.

CE

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T1 - 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 Screed):	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