

PRODUCT INFORMATION

REMACOAT PR 100 – PRIMER

General information:

REMACOAT PR 100 is a one component-polyurethane resin with a high content of solvent. After application, this polyurethane-resin hardens in thin layers through the emission of solvent and then cross-links while absorbing humidity from the air and the substrate (e.g. concrete). Thus, it provides a wear-resistant film. These Primer-films are yellow-transparent. This colour becomes more visible under the effect of UV-radiation.

Fields of application:

The Primer REMACOAT PR 100 optimizes the adhesion to and seals wood-, concrete-, cement flooring and C-steel areas. It is used for coatings based on 2K-component-polyurethane or polyurea-systems. for polyurea systems with a hardness range of 70 – 90 Shore A (similar to soft rubber linings) which are mainly used for wear protection. for polyurea systems with a hardness range of 40 – 60 Shore D (similar to hard rubber linings) which are mainly used for light duty corrosion protection.

Hints for application:

The primer can be applied with a solvent-resistant roller, in a conventional way with air pressure or airless-application.

Shelf life: 12 months if stored in closed original drums under storage conditions according to DIN 7716.

Limit values for application:

Temperature range for application	+5°C - 50°C
Maximum relative humidity for application to steel/concrete:	98 %
Pay attention to the dew point limit:	min. 3°C > TP

Description of product REMACOAT PR 100 :

Polymeric base :	Diphenylmethanediisocyanate (isomeres and homologues)
Solvent :	Ethylbenzene / Xylene (flammable) / aromatic. solvents
Colour :	Brownish, transparent (any colouring)
Viscosity (25°C) :	Approx. 100 mPa*s
Solid content :	Approx 50 %
Density (25°C) :	0,98 g/cm ³
Danger class :	VbF A II
Material consumption (C-Steel) :	max. 100 g/m ²
Material consumption (concrete) :	max. 250 g/m ²
Thickness of layer on substrate :	max. 30 – 50 µm
Number of coats:	1 coat on steel and concrete
Drying time (C-Steel/concrete) :	min. 1 h / min. 4 h
Open time (C-Steel/concrete) :	max. 48 h / max. 72 h



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Benefits of product:

- good spreadability
- great yield
- good and complete hardening
- high impact resistance
- good weathering resistance
- chemical resistance against diluted acids, alkaline solutions, water and fuel oil
- The drying times depend naturally on the climate and environmental influences, e.g. ambient temperature, relative humidity of air and ventilation etc.
- Therefore the times specified can only be used as guidelines.
- The exact times have to be determined by testing on site. Standard programme REMACOAT PR 100

Form of delivery:

Name of product	Drum size	Reference-No.
REMACOAT PR 100	0,8 kg	590 283-5
REMACOAT PR 100	4 kg	590 284-2
REMACOAT PR 100	20 kg	590 285-9

Please pass this data sheet to the person in charge of coating application. Above data and recommendations are based on extensive tests and are to be considered only as guidelines without any obligations. As we are continuously developing and improving our products we recommend to consider the date of this data sheet and, if necessary, to ask if there were changes in the meantime. In case of further questions please contact one of our technical advisors for detailed information at:

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