

DURELASTIC

PU-Top Coat
BD7289

- Solvent-free 2K-PU Gelcoat system for rolling
- Very good light- and weather resistance
- Coating for substrates based on minerals
- Can be used as Gelcoat with an applicable separating agent

| | | |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Technical / Physical Data | Colour | acc. to RAL 840 HR, other colour shades on request |
| | Original viscosity | approx. 7000 m.Pas |
| | Mixing ratio | 100 : 54 |
| | Hardener | DURELASTIC-PU-Hardener HD0233 |
| | Potlife | 15 to 25 Min. / 20 °C |
| | Density after hardener addition calculated | 1,20 g / ml + / - 0,1 |
| | Solid content after hardener addition calculated | approx. 100 % |
| | Material usage calculated after hardener addition in original viscosity, without application loss | 250 to 1000 g / m ² dependent on the desired layer thickness |

Storability Approx. 6 month in original packings at an ambient temperature of 5 to 25 °C, in case the original packings are tightly closed. Opened packing must be used very shortly. The minimum storage stability of each batch is mentioned on the product label. A storage time beyond the mentioned date doesn't necessarily mean that the material is unusable. In this case a check of the qualities which are important for the respective use is necessary.

Processing and application

Application

Components are to be mixed homogenously. (e.g. with high-speed mixer).

by roller / brush: in original viscosity

We recommended to fill the mixture with hardener in a new container and mix it again to avoid mixing defects.

Forwards and during mixing absolutely contact with water and solvents avoid, even small quantities affect accelerating the hardening procedure = shorter working time.

With use as a Gelcoat apply approx. 250 µm, lamination after > 60 min., rel. humidity > 50 % with suitable EP- or PUR material.

Higher layers of Gelcoat are possible by intermediate hardening.

Demoulding process after at least 3 hours.

Substrates

Substrates based on minerals, forms

Pretreatment

The substrate must be dry, firm, sustainable and clean, that means dust free and free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant, if necessary a adhesive primer has to be applied. Forms need to be treated by an applicable release agent (e.g. Acmos 36-4566).

Application temperature

above 15°C

Cleaning of working equipment

Immediately with organic solvents, hardened remainders can be removed only mechanically.

Advise for safety protection and protection of health

The usual precautionary measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

Special remarks

Stability

Good resistance to weak acids and bases.

Conditionally resistant against organic solvents.

| Characteristics | Testing method | unit | declared value |
|--------------------|----------------|------|----------------|
| Tensile strength: | DIN EN ISO 527 | MPa | 38 |
| Flexural strength: | DIN EN ISO 178 | MPa | 65 |
| E-Modul: | DIN EN ISO 527 | Gpa | 2,4 |
| Elongation: | DIN EN ISO 527 | % | 16,5 |
| HDT: | ISO 75 A | C° | 60 |

Test conditions

All information is based on a standard climate 20/65 DIN 50014.

All information are based on our product knowledge and experience.

To the application we have no direct influence. For further information please don't hesitate to contact us.

The information mentioned herein are reference values and are not given as specification.