

# Product Data Sheet

## CEMPUTANE

Revision date: 20-06-2015

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### Product description

Glossy two component solvent containing polyurethane finishing paint with very good resistance and excellent durability in outdoor use.

### Characteristics

- Excellent weather resistance
- Very good cleanability
- Resistant to water, oil, grease, many chemicals, solvents and detergents
- Impact- and abrasion resistant

### Technical details

Density mixed product	Approx. 1.25 kg/dm3 at 20°C																	
Solid content	52 volume percent ( =65 w.p.)																	
Mixing ratio	<ul style="list-style-type: none"><li>• Component A: 75 %</li><li>• Component B: 25 %</li></ul>																	
Potlife	Approx. 4 hours of 5 kg at 20°C																	
Recommended layer thickness	35-40 micron dry ( = about 75 micron wet )																	
Theoretical spreading rate	10,4 m2/kg ( = 13,0 m2/l) at 40 micron dry layer thickness																	
Practical spreading rate	About 100 g/m2 at 40 micron dry layer thickness (depending on conditions and form of the substrate)																	
Drying time 20 °C / 65% R.H.	Dry layer thickness: 40 micron <ul style="list-style-type: none"><li>• dust dry after ca. 2 hours</li><li>• recoatable* after ca. 16 hours</li><li>• sandable after ca. 16 hours</li></ul> * In systems a maximal drying time of 24 hours between the layers: unless a pre-treatment of the substrate takes place.																	
Flash point (DIN 53213)	<ul style="list-style-type: none"><li>• Component A: 27°C</li><li>• Component B: 27°C</li></ul>																	
Colour	RAL-colours and colours on demand																	
Appearance	Glossy																	
Precautions	During application and drying there must be sufficient ventilation. Avoid contact with skin by using the appropriate protectives, as gloves, safety glasses, suitable footwear, aprons, protective creams, etc. See also the instructions on the label of the packing. Ready-to-use paints containing isocyanates may have an irritant effect on mucous membranes - especially on breathing organs - and cause hypersensitivity reactions. Inhalation of vapour or spray mist may cause sensitisation. When handling paints containing isocyanates all precautions required for solvent-containing paints must be followed. Vapour and spray mist in particular should not be inhaled. Allergics and asthmatics as well as people prone to respiratory ailments should not work with isocyanate containing paints.																	
Labelling	See packing																	
Chemical resistance	See chemical resistance list on request																	
Application equipment	Brush, roller, spray-gun, airless-spray																	
Application temperature	5-35°C																	
Application data	<table><tr><td>Brush/ roller:</td><td colspan="2">0-5% brush-thinner EP</td></tr><tr><td><u>Spraying</u></td><td><u>Spray-gun</u></td><td><u>Airless-spray (hot)</u></td></tr><tr><td>- Pressure</td><td>0,3-0,4 mPa (3-4 atm.)</td><td>12-15 mPa (120-150 atm.)</td></tr><tr><td>- Nozzle</td><td>1,0-1,5 mm</td><td>0,33 mm (0,013 inch)</td></tr><tr><td>- Thinner</td><td>5-10% spray-thinner PU</td><td>0-5% spray-thinner PU</td></tr></table>			Brush/ roller:	0-5% brush-thinner EP		<u>Spraying</u>	<u>Spray-gun</u>	<u>Airless-spray (hot)</u>	- Pressure	0,3-0,4 mPa (3-4 atm.)	12-15 mPa (120-150 atm.)	- Nozzle	1,0-1,5 mm	0,33 mm (0,013 inch)	- Thinner	5-10% spray-thinner PU	0-5% spray-thinner PU
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Cleaning of equipment	Brush-thinner PU or spray-thinner PU
Mixing instruction	Add component B to component A. Mix till homogeneous. After that it is possible to add thinner to reach a good processing viscosity.
Remarks	The application of two component products should happen at a relative humidity lower than 85% and a temperature of surrounding and substrate higher than 5°C; the temperature of the substrate has to be 3°C above dew point. The maximum strength and resistance of the applied system is reached after sufficient curing. This corresponds with a drying period of 7 days at 20°C or so much shorter or longer corresponding to a higher or lower curing-temperature.

### Working method

Use a brush or roller: 0-5% brush-thinner EP.

#### Spraying

- Pressure
- Nozzle
- Thinner

#### Spray-gun

0,3-0,4 mPa (3-4 atm.)  
1,0-1,5 mm  
5-10% spray-thinner PU

#### Airless-spray (hot)

12-15 mPa (120-150 atm.)  
0,33 mm (0,013 inch)  
0-5% spray-thinner PU

**The above mentioned information is for general guides only and can be changed due to product modifications. For more specific information please contact our technical department.**

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