

TEKNODUR WOOD PRIMER 1005-10

Polyurethane primer

TEKNODUR WOOD PRIMER 1005-10 is a two-pack polyurethane primer. The hardener is an aliphatic isocyanate resin.



Use: Wood-aluminium window frame parts that are protected from weather. Before using the product, the manufacturer should be contacted to check the suitability of the product for the object in question.

TEKNODUR WOOD PRIMER 1005-10 is a fast drying, filling primer that is easy to sand. The paint produces a dense and even paint film. Suitable for spray application.

TECHNICAL DATA

Fields of application	Windows											
Recommended substrate	Softwood											
Solids	45 ±2% by volume											
Total mass of solids	Approx. 950 g/l											
Volatile organic compound (VOC)	Approx. 490 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.											
Theoretical spreading rate	<table border="1"> <thead> <tr> <th>Dry film (µm)</th> <th>Wet film (µm)</th> <th>Theoretical spreading rate (m²/l)</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>88</td> <td>11.2</td> </tr> <tr> <td>60</td> <td>133</td> <td>7.5</td> </tr> </tbody> </table>	Dry film (µm)	Wet film (µm)	Theoretical spreading rate (m ² /l)	40	88	11.2	60	133	7.5		
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40	88	11.2										
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Practical spreading rate	The values depend on the application technique, surface conditions, overspray, etc.											
Colours	White.											
Hardener	Comp. B: TEKNODUR HARDENER 0200 STA											
Mixing ratio (A:B)	10:1 parts by volume											
Pot life, +23°C	6 h											
Thinner	Standard thinners: TEKNOSOLV 9521 and TEKNOSOLV 9526 (non-aromatic).											
Storage	The storage stability is shown on the label. Store indoors in a cool and dry place and in a tightly closed can. The hardener reacts with air humidity and therefore the opened can is to be kept carefully closed, and it is recommended to be used within 14 d of opening.											

DIRECTION FOR USE

Surface preparation	<p>The surface must be clean and dry. The moisture content of the wood is to be below 20%.</p> <p>Pretreatment is required for wood substrates not meeting Durability Class 3, EN 350:2016. Teknos has a range of preservative products meeting the requirements of EN 599-1, please contact Teknos for further guidance.</p>
Application method	<p>Airless spraying, Conventional spraying, Brush</p> <p>Suitable airless nozzle size 0.013 - 0.018".</p>
Application	<p>Take into consideration the pot life of the mixture when estimating the amount to be mixed at a time. Before application the base and hardener are mixed in right proportion. Stir thoroughly down to the bottom of the vessel. Inadequate stirring or incorrect mixing ratio results in imperfect curing and impaired film properties.</p> <p>Stir thoroughly before use.</p> <p>Wet film thickness over 150 µm are not recommended as the drying process of the paint slows down considerably if the film thickness is more than 150 µm.</p>
Application conditions	<p>The surface to be treated has to be dry. During the application and drying period the temperature of the ambient air, the surface and the product shall be above +5°C and the relative air humidity below 80%. The best result is achieved when the temperature of the air is +23°C - +38°C, the relative humidity of the air 50 - 70% and the ventilation is good.</p>
Thinning	<p>For spray application the paint can be diluted 0 - 20% with TEKNOSOLV 9521 or TEKNOSOLV 9526. If a thicker coat than usual is needed, the paint can also be sprayed without thinning.</p>
Drying time	<p>+23°C / 50% RH (dry film 40 µm)</p>
- dust free	20 min (ISO 9117-3:2010)
- touch dry	1 h (ISO 9117-5:2012)
- dry to handle	3 h
- fit for sanding and overcoating	5 h
	<p>Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.</p> <p>The drying times given are indicative because the product is intended for use on wooden substrates.</p> <p>When using accelerated drying ask for the instructions from the manufacturer.</p>
Cleaning	TEKNOCLEAN 6496

HEALTH AND SAFETY

Safety and precaution measures

See safety data sheet.

The hardener of the product and the ready mixture contain isocyanates. In poorly ventilated areas and especially when using spray application we recommend the use of a fresh air mask. In short or temporary work, a mask with combined filter A2-P2 can be used. In this case eyes and face are to be protected.

The hardener can must be opened with caution, as pressure may develop in the can during storage.

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