

TEKNODUR 0250

Polyurethane clear coat

TEKNODUR 0250 is a two-pack polyurethane clear coat. The hardener is an aliphatic isocyanate resin.



Used as a clear coat in TEKNODUR polyurethane coating systems for steel and metal. TEKNODUR 0250 produces a semigloss, UV-resistant film with good mechanical and weather resistance. Using TEKNODUR 0250 polyurethane clear coat is recommended when the coating system's finishing layer is required to have excellent gloss and color retention.

TECHNICAL DATA

Recommended substrate	Metal		
Binder	Polyurethane		
Solids	45 ±2% by volume		
Total mass of solids	Approx. 540 g/l		
Volatile organic compound (VOC)	Approx. 510 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	Dry film (µm)	Wet film (μm)	Theoretical spreading rate (m²/l)
	40	88	11.3
Practical spreading rate	As many of the paint's properties will change if too thick coats are applied, it is not recommended that the product is applied to a film thickness that is more than double of the thickest recommended film. The values depend on the application technique, surface conditions, overspray,		
Colours	etc.		
Gloss (60°)	Clear.		
Hardener	Semi-gloss Comp. B: TEKNODUR HARDENER 0100/0200		
Mixing ratio (A:B)	4:1 parts by volume		
Pot life, +23°C	6 h		
Thinner	Standard thinners: TEKNOSOLV 9526 and TEKNOSOLV 6220. Other thinners suitable for the product: see Thinning.		
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

Remove also water-soluble salts by using are prepared according to the different
FOR OVERCONTING Association that
FOR OVERCOATING: Any impurities that ion of paint (e.g. grease and salts) are and clean. Old, painted surfaces that have time are to be roughened as well. Damaged the the requirements of the substrate and and time of the preparation are to be will not get dirty or damp before the
r surface preparation can be found in 3501-2.
ntional spraying
e into consideration the pot life of the at to be mixed at a time. Before application right proportion. Stir thoroughly down to the rring or incorrect mixing ratio results in roperties. Before use clean the spray gun able for the paint. Airless nozzle size 0.011 - 0.013".
ry. During the application and drying period the surface and the product shall be above elow 80%. Additionally, the temperature of oduct must be at least +3°C above the dew
ot use universal thinners, since they may the hardener. 6 and TEKNOSOLV 6220. ed e.g. when painting large surfaces and n temperature. ed when spray painting large surfaces with
and the harmonic of the harmon



Drying time +23°C / 50% RH (dry film 40 μ m)

- dust free 1 h (ISO 9117-3:2010)

- touch dry 6 h (ISO 9117-5:2012)

Increase in film thickness and rise in the relative humidity of the air in the drying space usually slow down the drying process.

Overcoatable

surface temperature	by itself		
	min.	max.	
+5°C	20 h	-	
+23°C	12 h	-	

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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