

ISODUR

DESCRIPTION ISODUR a two-pack, semigloss polyurethane topcoat. The hardener is an aliphatic isocyanate resin.

RECOMMENDED USES Intended for use as a topcoat in Isotrol Hybrid paint system on steel and metal.

TECHNICAL DATA

Binder type Aliphatic polyurethane

Solids volume 56 ± 2 % (mixture)

Density About 1,4 kg/l, depending of colour

Typical film thickness 40-60 microns dry film
70-110 microns wet film

Theoretical coverage 14 m²/l at 40 µm dry film.

Overcoating intervals

Overcoating intervals
at 40 µm dry film

Re-coatable without grinding or roughening	+ 5°C		+23°C			
	min.	max*	min.	max*		max*
With it self	after 20 h	before 18 months	after 12 h	before 18 months		before 18 months

* after 18 months should the surface be smoothly grinded before overcoated

Colour NCS and RAL

Gloss Semi-gloss 50

Application Airless spray, roller, brush

Storage and transport Store at cool temperatures but always above 5°C
Temperature during transport: 5°C – 40°C

Packaging Base 10 L can
Hardener 1 L can

Flash point +32° C (mixture)

VOC 428 g/l (mixed paint)

APPLICATION

Surface preparation	Clean with an appropriate cleaning method.				
Application conditions	<p>The surface to be painted must be clean and dry.</p> <p>Relative humidity of the ambient air should not exceed 80 %.</p> <p>The temperature of the paint should not be of a lower than +15°C.</p> <p>The temperature of the ambient air and surface should not fall below +5°C, or raise above +40°C, during application and drying.</p> <p>The surface temperature of the steel should remain at least 3°C above the dew point.</p> <p>Good ventilation and sufficiently air movement is required in confined areas during application and drying</p>				
Application	<p>First stir base and hardener separately. Use power mixer to mix base and hardener thoroughly. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and impairs the properties of the coating.</p> <p>For best result use paint brush around edges, rivets, joints, bolts etc. before painting of the whole surface.</p>				
Mixing ratio	9:1				
Potlife	4 h at 23°C				
Airless spray	Nozzle tip: 0.011"-0,015" Can be thinned 10-20% if necessary				
Drying time at 23°C 50% RH 40 µm dry film	<table><tr><td>Dust dry</td><td>Touch dry</td></tr><tr><td>1 h</td><td>6 h</td></tr></table>	Dust dry	Touch dry	1 h	6 h
Dust dry	Touch dry				
1 h	6 h				
Thinning and cleaning	<p>Thinning: TEKNOSOLV 9521 or TEKNOSOLV 6220</p> <p>Cleaning: TEKNOCLEAN 6496</p>				
Precautionary statements	See labelling and safety sheets.				
Environment	Dispose of contents and container in accordance with all local, regional, national and international regulations				