Technical Information 5.5.9

648 TPC-PUR 2K PUR Topcoat

Resin base: 2-component PU resin



Products needed:

Pastes GJ50-

Converter GK44-2101/ GK44-2402 F.W.

Converter/Pastes 65:35 / 98:2 Hardener SC29-0863 Normal

SC29-0885 Slow SC27-0500 Fast

Thinner SV13-0732 Fast

SV13-0701 Normal SV15-0339 Slow

Application and properties:

2K PUR Topcoat

- very good build and flow
- good weathering, yellowing resistance and hardness
- good drying
- brilliant top coat appearance
- flame-retardant according to IMO Res. MSC.307(88) (FTP code 2010), Annex 1, part 5. The surface material with low flame-spread characteristics does not apply to pipes, pipe coverings or cables

Substrates/Pre-treatment:

Well-cured old paintwork

Undercoats

CleaningSandingFinal cleaningSV20-0505P240-360SV20-0505648 TPC-PUR can be used for all Salcomix primers.

Product details:

648 offers a good glossy level and fullness with good abrasion resistance. Typical field of application would be general metal industry (production and maintenance). SC29-0885: Hardener Slow improves levelling on larger surfaces and increases also the spraying safety at high ambient temperatures.

SC27-0500: Hardener Fast leads to less weather and chemical resistance compared to SC29-0863 and -0885

Special Remark:

It cannot be ruled out that this product contains particles < 0.1 µm

The products are suitable for professional use only.

BASF Coatings GmbH Glasuritstraße 1 | 48165 Münster Feb 2015

Germany

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648 TPC-PUR 2K PUR Topcoat

Resin base: 2-component PU resin



Application: 2C solid Topcoat, glossy

Remarks: Values reg. VOC, coverage, solid content and viscosity are based on a mixing ratio by Vol. mit SC29-0863. Select thinner acc. ambient temperature and size of object to be painted.

	Paint system 648 TPC-PUR 2K Topcoat					
	VOC	Theor. Coverage at 1 µm (RAL3000/9010)			Solid Content	
	511-563 g/l	403/363 m ² /kg	413/431 m²/L		44-57 % Gew.	
	Check Color prior application		Weigh in according to mixing formula (colour):			
	Mixing ratio 648 TPC-PUR		100 % by weight		3 Vol.	2 Vol.
A	Hardener	SC29-0863 SC29-0885	30 % by weight	-	1 Vol.	-
		SC27-0500	-	45 % by weight	-	1 Vol.
	Thinner	SV13-0732 SV13-0701 SV15-0339	20 % by weight	30 % by weight	1 Vol.	30 %
S	Viscosity at 23°C DIN 4		Film Thickness (DFT)		Potlife 20°C	Gloss at 60°
	3:1:1 Vol.17-20 sec. 3:1:0.5 Vol.20-30 sec.		50-60 µm (2-3 coats) flash off 5- 10 min. between		4-5 h	> 90
	Application		Viscosity (sec)	Mixing ratio	Spraying Pressure (bar)	Nozzle (mm)
**	Compliant Gun		17-20	3:1:1	< 2.5	1.3-1.4
**	HVLP		17-20	3:1:1	~ 2	1.3-1.5
****	Suction Cup		17-20	3:1:1	2-3	1.3-1.7
00 T	Airless / Airmix		20-30	3:1:0.5	120-150	0.23-0.28
	Double Diaphragm or Pressure Pump		17-20	3:1:1	< 4	1.0-1.1
	Brush & Roll		6:1 + 5% SC29-0823 & GK69-0903			
	Drying at Object Temp.	dust-dry	Touch Dry	Ready for Assembling	trough dry	Recoatable
20°C 60°C	(-0863/-0500) (-0863/-0500)	40/30 min	10/7 h	15/12 h	7-10 Days	< 5 days

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