

TECHNICAL DATA SHEET

P1 HYPERGLOSS

18.09.2017

DESCRIPTION

2-component topcoat based on Low Emission resin technology, only to be used over P1 base system. Composition based on acrylic copolymer and a unique, patented "star" polymer technology.

PRODUCTS

P1 HYPERGLOSS Topcoat
P1 HYPERGLOSS Activator
P1 HYPERGLOSS Thinner

PROPERTIES

- Easy to spray.
- Low sagging.
- Gives a smooth, high build finish.
- Chemical and weather resistant.
- VOC compliant, conform with directive 2004/42/EC.

PRODUCT DATA

Package viscosity:	95-115 cp
Theoretical coverage:	6-10 m ² /l at recommended DFT - ready-to-spray
Directive 2004/42/EC:	2004/42/II B(d)(420)420: The EU limit value for this product (product category: IIB(d)) in ready to use form is maximum 420 g/l of VOC. The VOC content of this product in ready to use form is maximum 420 g/l.

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Product preparation				
Mixing ratio	Topcoat Activator Thinner	Volume	Weight	Topcoat Activator Thinner
		3	100	
		1	36	
		0,2	6	
- stir topcoat with activator for 20 seconds before adding the thinner. - extra thinner can be added to alleviate orange-peel, but not exceeding the recommended values by more than 50% as it will exceed EU VOC limit of 420 g/l.				
VOC	420 g/l			
Pot life at 20°C after activation	70 min			
Spray viscosity at 20°C	DIN 4 19 - 22s			
Spray equipment	Compliant guns HVLP/HTE Gravity fed	Fluid tip	Distance	Pressure
		1,2-1,4 mm	10-15 cm	2,2 bar
Number of coats	2 (1,5)			
Coats overlap	60% for half coats and 80% for full coats.			
Flash time	5-10 min between coats when applying 2 coats 0-3 min between coats when applying 1,5 coats 5-10 min before bake			
DTF	50-80 microns			
Drying	Dust free Dry to handle Tape free	35 min at 60°C		
		immediate		
		25 min		
		2 hours		
This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use.				

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TOPCOAT APPLICATION

When the P1 base system is completely dry, apply Hypergloss in 2 coats with 5-10 min flash between coats or apply 1 light coat immediately followed by a full coat with 0-3 min flash between coats.

CHEMICAL RESISTANCE

When fully cured, the P1 Hypergloss is resistant to short exposures of the chemicals as listed:

sodium hydroxide	20%	battery acid
sulphuric acid	25%	toluene
hydrochloric acid	20%	xylene
phosphoric acid	20%	glycol
Ammonia	10%	brake fluid, petrol

EQUIPMENT CLEANING

Use a correct solvent based gunwash.

RECOATABILITY

At any time after tape-free time. After 24 hours, scuff sanding is required.

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REMARKS

- Close can of activator tightly immediately after use, as this product will react with humid air and water and lose its hardening effect.
- Activated material should not be returned to original can of non-activated material.
- Pay attention to the application method. Spray procedure has to ensure proper overspray melt-in which is achieved within 2 min of the clear application. Plan the process to avoid dry overspray.

SAFETY

This product is classified according to regulation (EC) 1272/2008 (CLP). Consult Safety Data Sheet prior to use. Observe the precautionary notices displayed on the container.

All other products referred to in the paint system build-up are from P1 Coatings®. System properties will not be valid when the related material is used in combination with any other materials or additives not belonging to P1 Coatings®, unless explicitly indicated otherwise.

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