

Technical Data Sheet

Percotop[®] 531 MIO

2K Solventbased Acryl Topcoat

Description

Percotop[®] 531 MIO is a 2-component solventbased acrylic topcoat developed specially for metallic structured coatings for esthetical reasons.

Products

XXX	Tints
CS912	PercoTop [®] 2K 531 MIO Binder
CS204	PercoTop [®] 2K Matting Agent
CS702-CS703-CS704	PercoTop [®] Activator Fast, LR Fast and 3840 (outdoor)
CS705	PercoTop [®] Activator 4040 (indoor)
CS600	PercoTop [®] Thinner Standard
CS603	PercoTop [®] Thinner Fast

Colours

- Industrial and standard colour registers.
- Various gloss levels available in combination with CS204.
- 4 extra flattening levels can be retrieved from the ColourSolutions colour tool.

Properties

- High surface hardness.
- Good chemical properties.
- Best UV resistance with Activator CS703 for architectural applications.

Substrates

- All properly flashed wet-on-wet PercoTop[®] primers.
- All sanded PercoTop[®] sandable surfacers.

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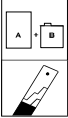


Surface preparation

- Substrates must be free of all contaminants.
- Sanding PercoTop[®] surfacers dry with orbital sander and dust exhaust P320-P500 or wet with sandpaper P600-P800.
- Degrease and clean the surface with CS400 or CS440.

Theoretical VOC – ready for use (RFU) (EU Directive 1999/13/EC)

- RAL9016 508 g/l
- RAL9005 503 g/l
(7:1 by weight with PercoTop[®] Activator 3840 CS 704 + PercoTop[®] Thinner Standard CS600)

Product preparation







	Mixing Ratio	PercoTop [®] 531 MIO CS702/CS703/CS704/CS705	Volume	Weight
			7	10
			1	1
	Thinner	CS600 – CS603		
	Pot life at 20°C	Ready for use max. 8 hours (depending on application viscosity and activator)		
	Recommended dry film thickness	50-80 µ		

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Application

		Application viscosity DIN 4 at 20°C (s)	Thinner (%)	Spray nozzle (mm)	Pressure (bar)	Number of coats
	Gravity Feed	25	Approx. 25 %	1.5	2.5-3.5	2
	Suction Feed	35	Approx. 10 %	1.7-2.0	3 – 4	1 – 2
	(High pressure spraying)					
	HVLP	25	Approx. 25 %	1.5	2 -2.5	2
	(Low pressure spraying)	35	Approx. 10 %	1.7-2.0	3 – 4	1 – 2
	Pressure pot Feed pump	According to the advice of the DuPont Technical Representative				
	(high pressure spraying)					
	Airless Airmix	According to the advice of the DuPont Technical Representative				
	Electrostatic	According to the advice of the DuPont Technical Representative.				

Drying

Air drying at 20°C	50 µ dry film thickness	
	with CS702-CS703-CS704	with CS705
Dust dry	Approx. 40 minutes	Approx. 30 minutes
Dry to handle	Approx. 2 hours	Approx. 1.5 hours
Dry	Overnight	Overnight

Forced drying	Flash time: approx; 10-15 minutes
Drying time	Approx. 30 minutes
Drying temperature	80°C object temperature

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Product data

Package viscosity	90-100 s DIN4
Flash point	> 23°C

	Solids	Density	Theoretical coverage (at 40 μ)		Theoretical material consumption (at 40 μ)	
	Weight (%) +/- 1	(kg/l) +/- 0.01	(m ² /l)	(m ² /kg)	(ml/m ²)	(g/ m ²)
White						
Packaged	77.1	1.74	-	-	-	-
Ready for use*	64.4	1.38	-	11.6	-	86.2
Black						
Packaged	74.9	1.62	-	-	-	-
Ready for use*	63.4	1.38	-	12.1	-	82.6



* at max. dilution

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Remarks

	<ul style="list-style-type: none">• Material has to be at room temperature before use.• Stir mixing pastes and binders thoroughly before use.• Stir the mixture well after the weigh-out of the components.• Stir CS204 (PercoTop[®] 2K Matting Agent) thoroughly each time before use in colour formulae, in order to secure reproducible gloss levels.
	<ul style="list-style-type: none">• DuPont is not responsible for colour-matching in the end-application by the customer, in particular if the customer applies products from different batches. The customer should perform an inspection related to the colour of products before taking the products into use.
Storage conditions	<ul style="list-style-type: none">• Material has to be stored at room temperature (5-35°C)
Remarks	<ul style="list-style-type: none">• Close can of activator tightly immediately after use, as these products will react with humid air and water and lose their hardening effect.• Activated material should not be returned to original can of non-activated material.
Shelf Life	<ul style="list-style-type: none">• Refer to the label on the original can.

Safety

Consult the Safety Data Sheet prior to use.
Observe the precautionary notices displayed on the container.



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Information

The information provided herein corresponds to our knowledge on the subject at the date of its publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such material used in combination with any other materials or additives or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specification limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to conduct to determine for yourself the suitability of a specific material for your particular purposes. Since DuPont cannot anticipate all variations in actual end-use conditions DuPont makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent rights.

This Technical Data Sheet supersedes all previous issues.

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