

## Technical Data Sheet

# PercoTop<sup>®</sup> PUR

## 2K MS Topcoat

### Description

PercoTop<sup>®</sup> PUR is a 2K polyurethane topcoat.  
Composition based on highly elastic polyester.

### Products

XXX	Tints
PercoTop <sup>®</sup> PUR	PercoTop <sup>®</sup> PUR 2K MS Topcoat
CS920	PercoTop <sup>®</sup> PUR Binder
CS204	PercoTop <sup>®</sup> 2K Matting Agent
CS701	PercoTop <sup>®</sup> Activator Standard
CS702	PercoTop <sup>®</sup> Activator Fast
CS703	PercoTop <sup>®</sup> Activator LR Fast
CS704	PercoTop <sup>®</sup> Activator 3840
CS600	PercoTop <sup>®</sup> Thinner Standard
CS602	PercoTop <sup>®</sup> Thinner 2K
CS603	PercoTop <sup>®</sup> 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 quality paint system for all coating jobs.
- Highly chemical and weather-resistant surface.

### Substrates

- Cured, solvent resistant, well preserved and scuff sanded OEM or old finish.
- PercoTop<sup>®</sup> primers and PercoTop<sup>®</sup> primer surfacers

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


### Surface preparation

- Substrates must be free from all contaminants.
- Sand surface:
  - a. dry with orbital sander and dust exhaust P320 - P500;
  - b. wet with sandpaper P600 - P800.
- Degrease before recoating.

### VOC value ready for use (EU Directive 1999/13/EC)

- RAL 9010: 492 g/l      5:1 by volume with CS702 + 20 % CS600.
- RAL 9005: 492 g/l      5:1 by volume with CS702 + 20 % CS600.

## Product preparation






	Mixing ratio	PercoTop <sup>®</sup> PUR CS702/CS703/CS704 CS701	Volume	Weight	Volume	Weight	
			5	5	2	2	1
			-	-	1	1	
<b>Thinner</b>		CS600 CS602 CS603					
	<b>Pot life at 20°C</b>	CS701 CS702/CS703 CS704	5-6 hours 4 hours 2-3 hours				
<b>Recommended dry film thickness</b>		35-50 μ					

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## Application

		Application viscosity DIN 4 at 20°C (s)	Thinner (%)		Spray nozzle (mm)	Pressure (bar)	Number of coats
	<b>Gravity feed</b>	20	CS701	0-5	1.3	4.0-5.0	2
	<b>Suction feed</b> (High pressure spraying)		CS702 CS703 CS704	20-25			
	<b>HVLP</b> (Low pressure spraying)	20	CS701 CS702 CS703 CS704	0-5 20-25	1.3	2.0-2.5	2
	<b>Airless</b>	25-30	CS702 CS703 CS704	15	0.23-0.28	2.0-3.0 air	2
	<b>Airmix</b>					Ca 100 material	
	<b>Pressure pot</b>	20	CS701 CS702 CS703 CS704	0-5 20-25	1.1	2.5-3.5 air	2
	<b>Membrane pump</b> (High pressure spraying)					1.0-2.0 material	
	<b>Electrostatic</b>	According to the advice of the DuPont Technical Representative.					

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### Drying

<b>Air drying at 20°C</b>	40 µ dry film thickness
<b>Dust dry</b>	1 hour 30 minutes
<b>Dry to handle</b>	4-8 hours
<b>Dry</b>	24-30 hours

<b>Forced drying</b>	Flash time: 20 minutes. Depending on film thickness.
<b>Drying time</b>	35 minutes
<b>Drying temperature</b>	60°C object temperature
<b>Remarks</b>	Add CS215 to the basic paint to accelerate the drying of the product following recommendations from the DuPont Technical Representative.

### Product data

<b>Package viscosity</b>	White: 60-70 s DIN 4 Black: 70-80 s DIN 4
<b>Flash point</b>	24°C



	<b>Solids</b>  Weight (%) +/- 1	<b>Density</b>  (kg/l) +/- 0.01	<b>Theoretical coverage</b>  (at 50 µ) (m <sup>2</sup> /kg)	<b>Theoretical material consumption</b>  (at 50 µ) (g/m <sup>2</sup> )
<b>White</b>				
Packaged	64.4	1.49	-	-
Ready for use	66.3	1.21	8.9	112
<b>Black</b>				
Packaged	55.0	1.17	-	-
Ready for use	58.5	1.03	9.9	100

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## Remarks

	<ul style="list-style-type: none"><li>For structuring, brushing, elastifying, drying, anti-cratering: different additives can be added. See separate info sheet and contact your DuPont representative.</li></ul>
	<ul style="list-style-type: none"><li>Material has to be at room temperature before use.</li><li>Stir mixing pastes and binders thoroughly before use.</li><li>Stir the mixture well after the weigh-out of the components. Stir CS204 (PercoTop<sup>®</sup> 2K Matting Agent) thoroughly each time before use in colour formulae, in order to secure reproducible gloss levels.</li></ul>
	<ul style="list-style-type: none"><li>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.</li></ul>
<b>Storage conditions</b>	<ul style="list-style-type: none"><li>Material has to be stored at room temperature (5-35°C)</li></ul>
<b>Shelf life at 5°C to 35°C</b>	<ul style="list-style-type: none"><li>Refer to the label on the original can.</li></ul>

### Safety

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

### 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.  
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