Technical Data Sheet

PercoTop® HS

2K HS Topcoat

Description

PercoTop® HS is a VOC compliant, solventborne, high solids, 2K topcoat system for solid colours.
Developed for application on large machinery, cranes and industrial constructions.
Composition based on acrylic resin.

Products

XXX	Tints
PercoTop® HS	PercoTop® HS 2K HS Topcoat
CS905	PercoTop® HS Binder
CS909	PercoTop® Industry HS Mat Binder
CS702	PercoTop® Activator Fast
CS703	PercoTop® Activator LR Fast
CS710	PercoTop® Activator VHS Fast
CS711	PercoTop® Activator VHS Standard
CS712	PercoTop® Activator VHS Slow
CS600	PercoTop® Thinner Standard
CS602	PercoTop® Thinner 2K
CS610	PercoTop® Thinner Fast
CS620	PercoTop® Thinner Standard
CS630	PercoTop® Thinner Slow
CS640	PercoTop® Thinner Extra Slow
CS650	PercoTop® Thinner SA

Colours

- Industrial and standard colour registers.
- Various gloss levels available in combination with CS909.
- 4 extra flattening levels can be retrieved from the ColourSolutions colour tool.

Properties

- Risk-free stable application and fast drying.
- Gives high gloss surfaces.
- Combines low material consumption with good sagging resistance and final appearance.
- Has excellent mechanical, chemical and weather-resistance.

Substrates

- Cured, solvent resistant, well preserved and scuff sanded OEM or old finish.
- PercoTop® 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)

- < 420 g/l 3:1 by volume with CS710 + 15 % CS610.

Product preparation

Mixing ratio		**Standard**	**Flat**
		Volume	Volume
	PercoTop® HS	3	5
	CS702/CS703/CS710/CS711/CS712	1	1
Thinner	CS600 CS602 CS610 CS620 CS630 CS640 CS650 Remarks: - Use CS610 on small objects at 15-25°C. - Use CS620 on medium sized objects at 20-25°C. - Use CS630 on large objects at 20-30°C. - Use CS640 on large objects when exceeding 30°C. - Use CS650 for special, airless, airmix und electrostatic application.		
Pot life at 20°C	2-3 hours		
Recommended dry film thickness	50-80 µ		

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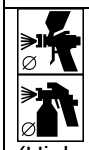
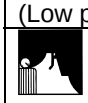
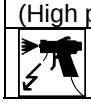
Application

	Application viscosity DIN 4 at 20°C (s)	Thinner (%)	Spray nozzle (mm)	Pressure (bar)	Number of coats
 **Gravity feed** **Suction feed** (High pressure spraying)	22-26	10-15	1.4-1.6	2.5-3.5	1.5
HVLP **HVLP** (Low pressure spraying)	22-26	10-15	1.4-1.6	2.0-2.5	1.5
 **Airless** **Airmix**	30-35	0-5	0.23-0.28	2.0-3.0 air Ca 100 material	1
 **Pressure pot** **Membrane pump** (High pressure spraying)	22-26	10-15	1.1	1.0-2.0 air 2.5-3.5 material	1.5
 **Electrostatic**	According to the advice of the DuPont Technical Representative.				

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Drying

Air drying at 20°C	70 µ dry film thickness
Dust dry	20 minutes - 1 hour
Dry to handle	4-6 hours
Dry	16 hours

Forced drying	Flash time: 15 minutes. Depending on film thickness.
Drying time	30 minutes
Drying temperature	60°C object temperature
Remarks	Add CS215 to the basic paint to accelerate the drying of the product following recommendations from the DuPont Technical Representative.

Product data

Package viscosity	White: 85-95 s DIN 4 Black: 120-130 s DIN 4
Flash point	26°C

	Solids Weight (%) +/- 1	**Density** (kg/l) +/- 0.01	**Theoretical coverage** (at 50 µ) (m^2/kg)	**Theoretical material consumption** (at 50 µ) (g/m^2)
White				
Packaged	73.1	1.21	-	-
Ready for use with CS702/CS703/CS710/ CS711/CS712 + CS600/CS610/CS620/ CS630/CS640/CS650	67.6	1.23	10.3	97
Black				
Packaged	63.2	1.00	-	-
Ready for use with CS702/CS703/CS710/ CS711/CS712 + CS600/CS610/CS620/ CS630/CS640/CS650	58.6	1.01	10.2	98

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Remarks

	• For structuring, brushing, elastifying, drying, anti-cratering: different additives can be added. See separate info sheet and contact your DuPont representative.
	• 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 CS909 (PercoTop® Industry HS Mat Binder) thoroughly each time before use in colour formulae, in order to secure reproducible gloss levels.
	• 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	• Material has to be stored at room temperature (5-35°C)
Shelf life at 5°C to 35°C	• Refer to the label on the original can.

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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.
This Technical Data Sheet supersedes all previous issues.