

SCHEDA TECNICA

DESMOVER HS

SERIE. 45910000

Description	Two component high solid durable acrylic-polyurethane finish coating
Use and principal characteristic	<ul style="list-style-type: none"> • High performance, heavy duty polyurethane finish, for use in severe chemically corrosive environments. • High gloss, high solids. • Outstanding colour and gloss retention combined with excellent chemical resistance properties. • No chalking, no yellowing. • Provides heavy duty protection with long term aesthetic value. • Tough and abrasion resistant • Will cure even at temperature down to -5°C. • Resistant to splash of mineral and vegetable oils, white spirit, paraffins, aliphatic petroleum products and mild chemicals. • Heat resistance 120°C continuous and 140°C discontinuous service in dry surroundings
Flexibility	Good
Abrasion resistance	Excellent
Weathering	Excellent
Basic data at 20°	
Colour and gloss	R.A.L. colours - gloss 85-90
Mass density	approx. 1,30 g/cm ³
Solids content by volume	69 ± 2%
Recommended dry film thickness	75 μm (3.0 mils)
Coverage theoretical	9,35 m ² /l for 75 μm. The practical coverage will be less, depending on application technique, job conditions and type of surface to be coated
Set to touch	2 hours at 20° C
Full cured	7 days at 20° C see additional data
Overcoating	minimum : 12 hours. see additional data maximum : illimited
Shelf life	Base 36 months in cool and dry place; hardener 24 months.

Shipping weight	base 45450000 20 kgs
	hardener 45120122 5 kgs
	thinner 45100148 25 - 5 l

VOC	196 g/kg (Directive 1999/13/EC)
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Flash point (DIN 53213)	Base 30° C
	Hardener 28° C
	Thinner 21° C

Surface preparation and application condition	Product is supplied in pre measured standard pails so that the right ratio is reached by mixing one pail of base product with one pail of hardener . If smaller quantities are required, the ratio by weight is :
	Base product 100 p. Hardener 45120122 25 p.
	Thinner should be added after mixing the components. The temperature of the mixed base and hardener should be above 15°C otherwise extra solvent may be required to obtain application viscosity. Too much solvent results in lower sag resistance and slower cure Protect mixed paint from humid conditions which can shorten pot life. Equipment must be dry. Use moisture traps in all air lines.

Introduction time	None
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Pot life	3 hours; see additional data
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Airless spray	Thinner	cod. 45100148
	Recommended Thinner	up to 5%
	Nozzle orifice	approx.0,38-0,43 mm (0,015-0,017 inch)
	Nozzle pressur	15 MPa (approx. 150 at. - 2100 p.s.i.) with 45 : 1 compression ratio

Air spray	Thinner	cod. 45100148
	Recommended Thinner	5 - 10%, depending on dft to be applied
	Nozzle orifice	1 – 1,5 mm (0,040-0,060 inch)
	Nozzle pressur	0,3 - 0,4 MPa (approx. 3 - 4 at. - 44 - 58 p.s.i.)

Brush/Roller	thinner cod. 45100148 ; 0 - 5%
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Cleaning solvent	thinner cod. 99100151
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Additional data	max. dft without sagging with airless spray	125 µm
	min. dft for closed film with airless spray	50 µm
	max. dft when brushing	75 µm

Pot life at application viscosity	Mixed product	Pot life

10°C (50°F)	5 h
20°C (68°F)	3 h
30°C (86°F)	2 h
40°C (104°F)	1 h

Overcoating table

Substrate temperature	- 5°C	10°C	20°C	30°C	40°C
Minimum interval	60 h	24 h	12 h	8 h	5 h
Maximum interval	no limitation, when cleaned from contamination				

Curing table at 75 microns

Substrate temperature	Dry to handle	Full cure
-5 °C	8 h	22 days
0° C	5 h	18 days
10° C	3 h	10 days
20° C	2 h	7 days
30° C	1 h	4 days
40° C	30min	3 days

** adequate ventilation is required during application and curing*