

ALPOCRYL LE 5393-40

Solvent-based 2C enamel coating for interior and exterior use



ALPOCRYL LE 5393-40 is a particularly fast-drying, solvent-based, satin-gloss 2C enamel coating with excellent adhesion and high covering power. The coating is very weather-resistant and is also resistant to household chemicals and mechanical stress. ALPOCRYL LE 5393-40 can also be used for ship interiors. The product can also be processed on spraying lines with forced drying.

When used as a flame retardant coating for seagoing ships according to SOLAS (International Convention for the Safety of Life at Sea) 74/88 Reg. II-2/3, II-2/5 and II-2/6, latest version, IMO Resolution MSC.36(63)-(1994 HSC Code)7, IMO Resolution MSC.97(73)-(2000 HSC Code)7, this product can only be combined with other approved and technically suitable products. A risk assessment has been carried out according to Directive 2014/90/EU, Annex II, Section 3. The cured and dried coating poses neither a physical nor a health hazard, nor a hazard to the environment. When used in ship interiors, the maximum total product application quantity of 150 g/m² should never be exceeded.



TECHNICAL DATA

Certificates, approvals and classification	IMO FTPC Part 5, Marine Equipment Approval (Module B), EN 13501-1
Fields of application	Bathroom, Furniture, Kitchen, Kitchen furniture, Interior doors, Ship, Boat
Recommended substrate	Wood, Veneer, MDF, HDF, Glass, PVC (polyvinyl chloride), Aluminium, Steel
Binder	Acrylate
Solids	Approx. 36% by weight
Volatile organic compound (VOC)	Approx. 650 g/l (DIRECTIVE 2010/75/EU) The VOC value provided is the average value for factory produced products, and consequently it will be subject to variations between individual products covered by this Technical Data Sheet.
Theoretical spreading rate	120 g/m ² ; 8.3 m ² /kg
Colours	Available in all RAL and NCS-S colours or at your request.
Tinting system	Largo
Gloss (60°)	40
Hardener	Comp. B: UNIPUR 279 1910-99
Mixing ratio (A:B)	10:1 parts by volume
Pot life, +23 °C	8 h
Thinner	VERDÜNNER 1300-98, VERDÜNNER 0950-98, VERDÜNNER 5600-98, VERDÜNNER 5500-98.

Density	Approx. 1.16 g/ml
Storage	Storage temperature is +5°C - +30°C. Store in a tightly closed container.

DIRECTION FOR USE

Surface preparation	Every substrate must be well-cleaned, dry and free from grease and oil. Coating removal: Sand, strip
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Application method	<p>Conventional spraying, HVLP spraying, Airless spraying, Air-assisted airless spraying</p> <p>Note:</p> <p>When applying a white or pastel-coloured coating to surfaces subject to considerable wear we recommend overcoating with 2C clear coatings to improve ring resistance (metal wear).</p> <p>For colour shades with a high black content, we recommend our ALPOCRYL HR 5360-40 for exterior applications.</p>
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On MDF boards with a density of below 700 kg/m³ the surface must be pre-isolated with ALPOLAN UNIVERSALGRUND 2420-00. Strengthen the edges or milled grooves with ALPOLAN UNIVERSALGRUND 2420-00. Moisture-resistant wood based materials must be used for rooms with a high moisture exposure (e.g. kitchens, bathrooms etc.). This product should not be used on horizontal surfaces in these areas.

Application	Stir or shake the product well for several minutes before use, if necessary by machine.
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APPLICATION ADVICE					
Aluminum and galvanized substrates					
	Product			Applied Quantity	
Pre-treatment	Clean, then finely sand or pad rub (Scotch Britecoarse).				
or	clean again or use a chemical treatment (chromate)				
Primer	ALPOTECT PHOSPHATGRUND 5100			80-100 g/m²	
Recoating	ALPOCRYL LE 5393			100-150 g/m²	
Steel					
	Product			Applied Quantity	
Primer	ALPOTECT PHOSPHATGRUND 5100			80-100 g/m²	
Recoating	ALPOCRYL LE 5393			100-150 g/m²	
Chipboards and MDF-panels or wood veneered surfaces					
	Product			Applied Quantity	
(Pre-)priming (edges resp. cut-outs)	ALPOLAN UNIVERSALGRUND 2420			100-120 g/m²	
Primer	ISOFILL 1070 (Presanding with grain 220-240)			1-2x 150-200 g/m²	
or	ALPOLAN UNIVERSALGRUND 2420			100-120 g/m²	
Intermediate sanding	With grain 220-240				
Recoating	ALPOCRYL LE 5393			100-120 g/m²	
Foil-coated chipboards					
	Product			Applied Quantity	
Pre-treatment	clean, sand with grain 320				
Recoating	ALPOCRYL LE 5393			100-150 g/m²	
Glass					
	Product			Applied Quantity	
	Please take note of VTM 4118.				
Plastics (PVC-profiles)					
	Product			Applied Quantity	
	When requested / Please take note of technical instruction sheet VTM 2519.				
Old coatings (solvent-resistant)					
	Product			Applied Quantity	
Pre-treatment	Sand off, clean, prime as necessary				
Recoating	ALPOCRYL LE 5393			100-150 g/m²	
For further applilcation proposals please ask our representative.					
APPLICATION					
	Viscosity DIN 4 mm	Dilution	Nozzle in mm	Pressure in bar	Spray Cycles
Gravity Feed Gun	18-22"	20-30%	1.4-1.8	2-3	2
Airless- (Airmix) Spray Application	22-25°	20-25%	0.15-0.23	Material: 60-80 Atomising air pressure 1.0-1.5	1-2

Application conditions

Recommended temperature for surroundings and product: +15°C-25°C. Do not apply below +10°C. Relative air humidity max. 80%. The weather resistance rating applies to countries with Central European climate and up to 1000 metres altitude (m.a.s.l.).

Drying time	+23 °C / 65% RH
- dust free	after 10 minutes
- touch dry	after 30 minutes
- overcoatable	after 2 to max. 48 hours
- fit for sanding	after 2 hours
- through dry	after 10-14 days
	Before forced drying, allow a flash-off time of at least 15 minutes.
	At 80 °C fully dry after: 30 minutes
	At 100 °C fully dry after: 15 minutes
Cleaning	Wash the equipment immediately after use. VERDÜNNER 0950-98 or UNIVERSALREINIGER U 8600-98.

HEALTH AND SAFETY

Safety and precaution measures	See safety data sheet.
First aid	We recommend wearing personal protective clothing even in cases where no local regulations are in force. CH: The precautions according to local regulations (SUVA) with respect to hygiene and equipment must be observed.

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