

ALPOCRYL KLARLACK 5454-90

Solvent-based, grain-accentuating 2C top coat for interior and exterior use



ALPOCRYL KLARLACK 5454 is a fast-drying, solvent-based, grain-accentuating 2C transparent coating for interior and exterior use. The coating is very weather-resistant and can also withstand mechanical stress. ALPOCRYL KLARLACK 5454 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 120 g/m² should never be exceeded.



TECHNICAL DATA

Certificates, approvals and classification	IMO FTPC Part 5, Marine Equipment Approval (Module B)
Fields of application	Ship, Boat
Recommended substrate	UPVC (unplasticized polyvinyl chloride), Metal
Binder	Acrylate
Solids	Approx. 30% by weight
Volatile organic compound (VOC)	Approx. 666 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	Colourless.
Gloss (60°)	90
Hardener	Comp. B: UNIPUR 279 1910-99
Mixing ratio (A:B)	4:1 parts by volume
Pot life, +23 °C	8 h
Thinner	VERDÜNNER 1300-98, VERDÜNNER 0950-98.
Density	Approx. 0.95 g/ml
Storage	Storage temperature is +5 °C - +30 °C.

DIRECTION FOR USE

Surface preparation Every substrate must be well-cleaned, dry and free from grease and oil. Coating removal: Sand, strip

Application method Conventional spraying
 Aluminium and galvanised substrates: ALPOTECT PRIMER 5162-00
 Steel: ALPOTECT PHOSPHATGRUND 5100-00

PVC profiles: Please refer to the instructions in the process data sheet "Instructions for PVC profiles with ALPOCRYL DP 5520, HR 5360 and LE 5393" (VTM 2519).

Application Stir or shake the product well for several minutes before use, if necessary by machine.

APPLICATION ADVICE					
Hard-PVC					
	Product			Applied Quantity	
Primer	ALPOCRYL HR 5360			100-150 g/m ²	
or	ALPOCRYL LE 5393			100-150 g/m ²	
Recoating	ALPOCRYL KLARLACK 5454			100-120 g/m ²	
For further application proposals please ask our representative.					
APPLICATION					
	Viscosity DIN 4 mm	Dilution	Nozzle in mm	Pressure in bar	Spray Cycles
Gravity Feed Gun	16-20"	10 %	1.4-1.8	3-4	2

Application conditions Recommended temperature for surroundings and product: +15°C-25°C. Do not apply below +10°C.

Drying time +23°C / 50% RH (dry film 20 µm)
 - dust free after 10 minutes
 - touch dry after 60 minutes
 - overcoatable after 12 hours
 - fit for sanding after 3 hours
 - through dry after 10-14 days

Cleaning Wash the equipment immediately after use. VERDÜNNER 1000-98 or UNIVERSALREINIGER U 8600-98.

HEALTH AND SAFETY

Safety and precaution measures See safety data sheet.

Teknos Group Oy Takkatie 3, P.O.Box 107 FI-00371 Helsinki, Finland Tel. +358 9 506 091

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