

Technical data sheet

MARINEPRO CLEARCOAT HG 755 2K

2K clearcoat for marine-market applications.
It features good chemical and mechanical resistance and gloss stability under marine conditions.

RELATED PRODUCTS

HARD 5040	Hardener for MARINEPRO CLEARCOAT HG 755 2K
THINNER 50	Universal thinner slow, standard,

PROPERTIES

- High resistance to external factors
- High UV resistance and gloss stability
- Increased scratch resistance (SR)
- MS technology – easy application
 - Great flowability
 - Fast drying
- Easy adaptation to changing application conditions
- Intended for use above the waterline*

* Using the clearcoat below the waterline strictly requires the application of an antifouling coating

SUBSTRATES				
Base layers	Dry matt surface.			
MIXING RATIO				
	MARINEPRO HG 755 2K HARD 5040 THINNER 50	Volume ratio	Weight ratio	
		2	100	
		1	50	
		10%	9	
Apply the thinner in the amount calculated for the clearcoat.				
VISCOSITY				
	DIN 4/20°C	16 - 19 s		
CONTENT OF VOLATILE ORGANIC COMPOUNDS				
Actual VOC content		510 g/l		
For ready to use mixture acc. to EU Directive 2004/42/CE				
APPLICATION CONDITIONS				
The temperature of the coat, coated surface and environment should be between +10°C and +35°C at a maximum relative humidity of 80%.				
TEMPERATURE RESISTANCE				
The operating temperature of the applied primer is between -60°C and +80°C. Transient temperatures up to +120°C maximum are permitted.				
APPLICATION				
 CAUTION: Instructions of the equipment manufacturer must be followed.	Conventional gravity fed spray gun	Nozzle	Pressure	Distance
		1.3 - 1.4 mm	3 - 4 bar	15 - 20 cm
	Low-pressure gravity fed HVLP spray gun	1.2 - 1.3 mm	2 bar	10 - 15 cm
	Number of layers	2 - 3		
	Single dry layer thickness	20 - 25 µm		
	Yield of the ready to apply mixture for a dry layer thickness in the provided mixing ratio	10.6 m²/l 0.09l/ m² at 50 µm MARINEPRO HG 755 2K + HARD 5040 (2+1)		
	Mixture life at 20° C	2 hours		

	Flash-off time between layers	20 -30 min	
TECHNICAL DATA			
Product	Solids content by weight	Solids content by volume	Density
MARINEPRO HG 755 2K	≈ 48 %	≈ 46 %	≈ 1.00 g/cm³
HARD 5040	≈ 68 %	≈ 66 %	≈ 1.03 g/cm³
MARINEPRO HG 755 2K + HARD 5040: 2+1	≈ 55 %	≈ 53 %	≈ 1.01 g/cm³
GLOSS			
Approx. 90 / 20°			
CURING TIMES			
	10°C	20°C	60°C
Dust-free	-	40 min.	15 min.
Tack-free	-	6 hours	35 min.
Operating hardness	-	21 hours	60 min.
CAUTION: The curing times apply to the temperature of specific elements.			
USE			
Hardener	Recommended working temperature	Repair type	
HARD 5040	18 - 35°C	coating of large surfaces	
The coated surface must be dry. The coat, coated surface and ambient temperatures must be between +10°C and +35°C; the relative humidity must not exceed 80%. The coated surface temperature must exceed the dew point by at least 3°C.			
EQUIPMENT CLEANING			
THINNER 50 universal thinner or NC solvent.			
STORAGE CONDITIONS			
Store in a dry room, away from sources of flame and heat. Avoid direct exposure to sunlight. Recommended storage temperature: +5°C to +35°C.			
SHELF LIFE *			
MARINEPRO HG 755 2K	24 months/20°C		
HARD 5040	18 months/20°C		
THINNER 50	24 months/20°C		
* In original sealed packaging			

SAFETY

See Safety Data Sheet.

OTHER INFORMATION

Registration number: 000024104

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