

SUPREMO KLARLACK 3990-90

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



SUPREMO KLARLACK 3990-90 is a fast-drying, solvent-based, grain-accentuating 2C primer and top coat which feels pleasant to the touch. As it is particularly viscous, the product is especially suitable for applications on vertical surfaces. Can be used on wood that has been bleached with peroxide. 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 2x120 g/m² should never be exceeded.



TECHNICAL DATA

Certificates, approvals and classification	IMO FTPC Part 5, Marine Equipment Approval (Module B), EN 13501-1, EN 71-3, DIN 68861-1B, EN 438-2 (Grade 5 – very high scratch resistance)
Fields of application	Bathroom, Furniture, Kitchen, Kitchen furniture, Stairs, Interior doors
Binder	Acrylate
Solids	Approx. 28% by weight
Theoretical spreading rate	120 g/m ² ; 8.3 m ² /kg
Colours	Colourless. Can be adjusted individually for customers by agreement.
Gloss (60°)	90
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.
Density	Approx. 0.95 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

Conventional spraying, HVLP spraying, Airless spraying, Air-assisted airless spraying

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.

Gloss level dull matt 02 is only suitable for decorative interior use. In this case, dull matt, open-pored surfaces are created that therefore are more sensitive to mechanical and chemical stress.

Natural matt effect coatings are mainly used in decorative areas. Due to the pronounced matting effect, such products contain high levels of matting agents and are not recommended for the treatment of dark wood species / backgrounds.

Application

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

APPLICATION ADVICE					
Wood substrate raw					
		Product	Applied Quantity		
Presanding		With grain 150-180			
Stain		stain if required			
Primer		SUPREMO KLARLACK 3990	80-120 g/m ²		
Intermediate sanding		With grain 240-320			
Recoating		SUPREMO KLARLACK 3990	80-120 g/m ²		
MDF/HDF raw					
		Product	Applied Quantity		
Presanding		With grain 180-220			
Primer		SUPREMO KLARLACK 3990	80-120 g/m ²		
Intermediate sanding		With grain 240-320			
Recoating		SUPREMO KLARLACK 3990	80-120 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	23-28"	0-20%	1.8	2-3	2
Suction Cup Gun	23-28"	0-20%	1.8	2-3	2
Airless / Airmix Spray Application	28-35"	0-20%	0.28		2
HVLP	23-28"	0-20%	1.8	2-3	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 15 minutes
- touch dry	after 30 minutes
- overcoatable	after 3 hours
- fit for sanding	after 3 hours
- through dry	after 10-14 days
	Before forced drying, allow a flash-off time of at least 15 minutes.
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.

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