

GEL PRIME

TECHINICAL DATA SHEET

Product description

Undercoat mono-component anti-rust easy to apply, it has an excellent covering power and can be used as a matt finish for interiors or as an intermediate coat for single-component cycles. It can be applied on old mono-component primers and finishes, sanded down, wooden surfaces and bare ferrous substrates. It must not be applied on inorganic galvanizers or galvanized sheets. Not suitable for continuous immersion.

Product information

Finish	Matt	
Colour	White .153, Orange .373	
Solids (by volume)	ASTM D2369	58 ± 2%
Specific gravity	UNI EN ISO 2811-1	1,35 ± 1,45 g/cm ³
Flash point	UNI EN ISO 13736	35 °C
VOC (calculated average content)	ISO 11890-2/2006	335 g/l
Packaging	0,75 – 2,50 Lt	

Application and use

SURFACE PREPARATION

Wood: The moisture level shall not exceed 18%, Sand down the surface with sanding paper n° P120 - P80. Before proceeding with the application, blow with fresh and dry air, in order to remove any residual of sanding and dirt. Apply the primer with one coat of Adherprox, apply another coat with less dilution. Sandpaper with abrasive paper P80-P120. Before proceeding with the application of Gel Prime, blow down with fresh and clean air, in order to remove any trace of sanding and dirt.

Steel: Pressurize with fresh water and remove all traces of oil and grease (if necessary, wash with a specific solvent). All surfaces to be painted must be clean, dry and free of contaminants. mechanical cleaning grade St 3. Primer with two coats of Adherpox, clean and proceed with the application of Gel Prime.

Old mono-component topcoat: remove the detaching parts by scraping and sanding with P180 - P220 paper. Before proceeding with the application of Gel Prime, blow with clean, dry air to remove any residue of sanding and dirt.

Apply on dry surfaces free of oils, greases and other contaminants after degreasing and sanding.

APPLICATION PROCEDURE





Applicable by brush, roller, spray. Mix well the product in order to ensure complete homogeneity. Apply a constant thickness with a sequence of crossed coats to ensure uniform coverage. Generally no dilution is required: if it is necessary to add Thinner 6470 up to a maximum of 5% in volume.

The product can also be applied on old bare wood. In this case it is advisable to dilute the first coat of Gel Prime with 10-20% of Thinner 6740 in order to impregnate the substrate well.

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Application data

Thinner/Cleaning tools		6470
Application method		Conventional Pressure 3,5 bar Nozzle 1,2 – 1,4 mm
Application method	 	
Dry film thickness	Standard range application	40 – 50 µm
	Recommended	45 µm
Wet film thickness	Standard range application	70 – 90 µm
	Recommended	80 µm
Theoretical coverage	45 µm	13 m ² /litre
Recommended primers	Adherpox	

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Drying time

Temperature °C		10		15		20		30	
		Min	Max	Min	Max	Min	Max	Min	Max
Overcoating		24 h	7 days	24 h	7 days	18 h	7 days	18 h	7 days
Sanding		48 h		48 h		48 h		48 h	
Fully Cured		10 days		7 days		7 days		5 days	

N.B. *The drying times and the overcoating intervals increase with higher thickness of the applied film. Always check that the existing painting film is perfectly dry before applying a further product coat.*

CONDITIONS DURING APPLICATION

In order to avoid the formation of condensation, the temperature of the surface should be at least 3 °C above dew point. During the application and curing the min. ambient temperature must not be lower than 10 °C or higher than 30 °C; substrate temperature must not be lower than 5 °C, since curing is remarkably reduced at lower temperatures. Application is not advisable when relative humidity exceeds 75%. The term-hygrometric survey should be carried out near the surface to be coated. Make sure there is enough ventilation when the application takes place in closed areas.

Storage

It is recommended to avoid exposure to air and extreme temperatures. To maximize the shelf life in the can, it is good to check that the container is well closed during the storage and the temperature is between 5 °C and 35 °C. Avoid exposure to direct sunlight.

Safety rules

Observe the provisions of DPR 303 and 547. Avoid contact with the skin, for example. Operate in well-ventilated places and, if in closed areas, use vacuum cleaners, fans and air conveyors. During the application use appropriate protections (masks, gloves, glasses, etc.). Before using, read sections 7-8 of the SDS. INSTRUCTIONS FOR THE DISPOSAL OF PRODUCT AND PACKAGING Empty packaging containing the product: Dispose of empty packaging according to the requirements of the waste disposal law, for example by conferring them in the recycling center. Packages containing the unused product: Dispose of the product not used in accordance with the law of disposal of such waste, for example by conferring it in a recycling center, recycling of packaging is prohibited in this case. Do not empty into drains or watercourses. The product packaging must not be exposed to the open air and must be stored at a temperature between 10 °C and 35 °C. Do not expose to the sun.

Notes

The values indicated in the present technical sheet can have slight variations from one batch to another. The applied product must not come in contact with water, chemicals or subjected to mechanical stress before the curing is complete. The wet film thickness is referring to the undiluted product. In case of dilution, this value increases. The above information is the result of accurate laboratory tests and practical experience, however, since the product is predominantly used outside the manufacturer's control, Boero Bartolomeo S.p.A. can only guarantee their quality. The information contained in this sheet may be subject to revision by the Company. For clarification, updates or further information, it is recommended to contact Boero Bartolomeo S.p.A. directly. The present datasheet annuls and replaces every other precedent to this one.