

TECHNICAL DATA SHEET

Date of issue: 26.01.2017

Last updating: no.1 22.08.2017



Name: BASIC BB, WHITE
Definition: Wet-on-wet acrylic primer
Code: 69.3.90900

Category: B/c
V.O.C. ready to use: 540 g/l
Product according to 2004/42/CE

NATURE OF THE PRODUCT

Two-pack acrylic primer, based on acrylic resins and isocyanic adduct to mix before use. It contains zinc phosphate.

GENERAL USES

Product for general use. Fit for wet-on-wet applications, overcoatable after 30-40 minutes with 2K acrylic or polyurethane topcoats. Mainly used for machine tools, coachwork, plastics, earth moving machines, containers, concrete, etc. It can be used as dry-on-dry primer after more than 24 hours of air drying.

PREPARATION OF SURFACES

The cleaning of the application surface should be painstaking and it is a fundamental condition to obtain a positive result of the painting cycle. This means that presence of grease, oils, rust and calamine on the surfaces is absolutely not allowed.

The product shows direct adhesion without a previous primer application¹. Because of the big variety of substrates, it is always better to perform some preliminary tests before.

- Ferrous surfaces: SA2 1/2 sandblasting or perfect mechanical cleaning of the substrate by sanding to remove rust and calamine, followed by degreasing with surfactants aqueous solutions or organic solvents.
- Galvanized sheet: Accurate sanding with coarse-grained scotch brite followed by degreasing with our solvents. The use of acidic thinners such as 07.044, slow, and 07.115, quick, improves greatly the adhesion performance on this surface.
- Aluminium: Accurate sanding followed by careful degreasing with our thinner 07.115, and final cleaning with silicone remover 07.051. When it is not possible to sand the surface, the use of acids thinners such as 07.044, slow, and 07.115, quick, improves greatly the adhesion performance on this surface. Nevertheless, we suggest testing the adhesion on a sample before proceeding with large applications.
- Plastics²: We recommend the elimination of any molding release agents by washing with suitable solvents. For better results, we recommend sanding the surface followed by degreasing with suitable solvents.

PREPARATION OF THE PRODUCT

	Code	Name	By weight	By volume
Component A	69.3.90900	Basic BB	100 parts	100 parts
Component B	01.H2	Acryrex MS	15 parts	20 parts
Component B (as an alternative) ³	01.H2L	Acryrex MS slow	15 parts	20 parts

Carefully mix until an even colour and consistency are obtained. For airless applications no dilution is requested, for standard airmix application dilute with our acrylic thinner 07.013 (or 07.030 for temperatures over 25°C or when overspray problems occur) at 10-30%⁴. For wet-on-wet applications on surfaces in good conditions, 30% dilution is recommended because it grants a better flow. On aluminium, galvanised sheet, old paints and cathaphoretic paint, we suggest using slow acid hardener 07.044 with the same 07.013 ratio.

¹ This solution is recommended for indoor and outdoor applications. For outdoor applications, if it is necessary to improve the corrosion resistance of the system, we suggest applying one of the mentioned primers.

² Considering the big variety of plastics, we recommend performing some preliminary tests.

³ For temperatures over 25°C or when overspray problems occur.

⁴ The product respects the 540 g/l VOC only when diluted at 10%.

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Code:	69.3.90900	Product according to	2004/42/CE

APPLICATION

Spray gun: Nozzles of 1,4-1,7 mm. diameter and 3-5 atm. pressure.
Airless. Nozzle 0,09 inches, 180-240 bar
Brush/roller Only for large surfaces⁵

TECHNICAL DATA

PRODUCT TYPE: Two pack primer

APPEARANCE (ASTM D 523): Semi-matt (45±10 gloss).

COLOURS: White

SPECIFIC WEIGHT (ISO 2811): 1,33 g/cm³ (±0,07) A component only

SUPPLY VISCOSITY (DIN 53211) : 10-15" F8

SOLID ON VOLUME: 48% (± 2%) ready to use

SOLIDS CONTENT: A + B 61 % (± 3%)

DRYING AT 20°C

- Dust dry: 10-15 minutes
- Touch dry: 1-2 hours
- Total hardening : 24-36 hours
- Maximum chemical resistance: After 7 days

RECOMMENDED COATS: From one full heavy coat to two crossed coats

THICKNESS: 40 to 100 µm dry

THEORETIC YIELD: 7-10 m²/kg

POT-LIFE AT 20° C: 3 hours at 20°C. At higher temperatures, pot-life decreases.

SALT SPRAY TEST (ASTM B 117): If applied DTM with a final film thickness of 100µm, 250 hours. If applied with a primer with a final dry film thickness of 140-150µm, it reaches 400 hours.

IMPACT TEST (ASTM D 2794): 36 kg direct, 20 kg reverse.

ADHESION (ASTM D 3359): B=5, excellent, on iron, aluminium and galvanised sheet, after light sanding

REPAINTING: Wet-on-wet after 30-40 minutes, without sanding until 24 hours. Over 24 hours, light sand the surface to be painted.

STORAGE STABILITY: One year for A component, 6 months for B component stored in closed packs, in a cool, dry place, away from any sources of heat.

⁵ You may need Antifoam additive 03.009 in order to avoid bubble formation whilst using these tools.