# TECHNICAL DATA SHEET

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| | | | |
|---|---|---|---|
| **Name:** | **BASIC 2** | **Category:** | **B/c** |
| **Definition:** | **Grey acrylic primer (5:1 with 01.H3 or 4:1 with 01.H2)** | **V.O.C. ready to use:** **V.O.C. limit:** | **435 g/l** **540 g/l** |
| **Code:** | **69.4.** | **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.

## GENERAL USES

The acrylic primer has a high filling power, remarkable drying speed, excellent sandability, absence of sinkage and absorption of the topcoat enamel. Thanks to its versatility, it can be used as filler, sealer primer and no sanding primer for partial or total remaking.
The high solid acrylic primer has excellent adhesion on degreased and sanded sheet metal, on well dried and prepared primers and old paints, polyester and fibreglass putties.
Suitable for use in car refinishing and industrial bodywork

## APPLICATION METHOD

## PREPARATION OF SURFACES

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

- Ferrous surfaces. SA2 1/2 sandblasting or very careful mechanical cleaning by sanding with elimination of rust and calamine followed by degreasing with aqueous solutions of surfactants or with organic solvents.
- Galvanized sheet. Accurate sanding with coarse-grained scotch brite followed by degreasing using thinners.
- Aluminium. Chromate conversion coating or phosphochromatising. Alternatively, light sanding followed by degreasing with organic solvents.
- Plastics.[1] Sanding with scotch brite and cleaning with suitable solvents (based on isobutyl alcohol)

## PREPARATION OF THE PRODUCT

| | Code | Name | By weight | By volume | |
|---|---|---|---|---|---|
| Component A | 69.4 | Basic 2 | 100 parts | 100 parts | |
| Component B | 01.H3 | Acryrex HS | 13 parts | 20 parts | 5:1 by volume |
| As an alternative | 01.H3T | Acryrex HS Extra | 13 parts | 20 parts | 5:1 by volume |
| As an alternative | 01.H2 | Acryrex H2 | 16 parts | 25 parts | 4:1 by volume |

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 07.093 at 10-15% to obtain a viscosity of 20-25" Ford 4. With temperature higher than 25°C, we recommend the slow thinner 07.094.

## APPLICATION

Spray gun: nozzles of 1,4-1,7 mm diameter and 3-5 atm pressure.

[1] Considering the great variety of plastics, a preliminary adhesion test is highly recommended before starting with the painting of large batches.

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| | |
|---|---|
| Airless. | nozzle 0,09 inches, 180-240 bar |
| Brush/roller | Only for small surfaces[2] |

**TECHNICAL DATA**

| | | |
|---|---|---|
| **PRODUCT TYPE:** | Two pack primer | |
| **APPEARANCE (ASTM D 523):** | Matt (15±5 gloss). | |
| **COLOURS:** | Light grey 69.4.70133; dark grey 69.4.70266; grey RAL7035 69.4.70350; grey RAL7045 69.4.70450; medium grey 69.4.70286. | |
| **SPECIFIC WEIGHT (ISO 2811):** | 1,58 ± 0,06 g/cm3 (1,38 ± 0,06 g/cm3 ready to use) | |
| **SUPPLY VISCOSITY (DIN 53211) :** | 30" ± 4" Ford 8 | |
| **SOLID ON VOLUME:** | A + B 45% (± 2%) | |
| **SOLIDS CONTENT:** | A + B 77% (±1%) | |
| **DRYING AT 20°C** | - Dust dry: | 15-20 minutes |
| | - Touch dry: | 2-3 hours |
| | - Total hardening : | 12-24 hours |
| | - Forced drying | 45 minutes at 60°C |
| | - Maximum chemical resistance: | After 7 days |
| **RECOMMENDED COATS:** | one crossed coat | |
| **THICKNESS**: | 50-60 μm | |
| **THEORETIC YIELD:** | 6 $m^2$/kg | |
| **POT-LIFE AT 20° C:** | 1 hour. At higher temperatures, pot-life decreases. | |
| **SALT SPRAY TEST (ASTM B 117):** | 500 hours if applied on a cycle with primer and topcoat with a final dried film thickness of 160 μm. | |
| **IMPACT TEST (ASTM D 2794):** | 36 kg direct, 10 kg reverse. | |
| **ADHESION (ASTM D 3359):** | B=5 on surfaces treated like above reported. | |
| **REPAINTING:** | from 2 to 12 hours without sanding. Over 12 hours we recommend sanding before overcoating. | |
| **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. | |

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