

# TECHNICAL DATA SHEET

Date of issue: 26/02/2021

Last updating: n.



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|                                        |                              |                             |                                             |
|----------------------------------------|------------------------------|-----------------------------|---------------------------------------------|
| <b>Name:</b>                           | <b>PRIMEX GREY</b>           | <b>Category:</b>            | <b>high performances<br/>one-pack paint</b> |
| <b>Definition:</b>                     | <b>Zinc phosphate primer</b> | <b>V.O.C. limit:</b>        | <b>500 g/l</b>                              |
| <b>Code:</b>                           | <b>39.2.70121</b>            | <b>V.O.C. ready to use:</b> | <b>&lt; 500 g/l</b>                         |
| <b>Product according to 2004/42/CE</b> |                              |                             |                                             |

## NATURE OF THE PRODUCT

One-pack anticorrosive primer - undercoat, based on alkyl resins modified with vegetable fatty acids and zinc phosphate, used for the protection of iron surfaces. Suitable also for wood surfaces.  
Excellent adhesion and sandability, suitable for both indoor and outdoor applications.

## GENERAL USES

Specific product for the Do-It-Yourself Line. To protect or renovate iron or cast iron products.

## 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.

- Iron: mechanical cleaning of the support with a wire brush or sanding with elimination of rust, scales or non-attached parts, calamine and subsequent cleaning by degreasing with aqueous solutions of surfactants or with organic solvents. Apply **PRIMEX GREY** and if necessary apply a second coat. Apply directly within 4-6 hours or after 24 hours sand with fine-grained abrasive paper and proceed with the next coat.

### PREPARATION OF THE PRODUCT

Carefully mix until an even colour and consistency are obtained. For standard applications with airmix, dilute with our SYNTHETIC THINNER 07.005 in a maximum percentage of 8%. For brush applications always use SYNTHETIC THINNER 07.005 at 5%, applying thin coats. To over-coat the surface wait at least 12 hours.

## APPLICATION

Spray gun: nozzles of 1.4-1.7 mm diameter and 3-5 atm pressure.

Brush/roller preferably for small surfaces

## TECHNICAL DATA

|                                      |                         |
|--------------------------------------|-------------------------|
| <b>PRODUCT TYPE:</b>                 | One pack product        |
| <b>APPEARANCE (ASTM D 523):</b>      | Matt (15±5 gloss).      |
| <b>COLOURS:</b>                      | Grey                    |
| <b>SPECIFIC WEIGHT (ISO 2811):</b>   | 1.46 ± 0.05 kg/l        |
| <b>SUPPLY VISCOSITY(DIN 53211) :</b> | 16" ± 2" Ford 8 at 20°C |

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|                                            |                                                                                                                                                                              |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SOLID ON VOLUME:</b>                    | 46% ( $\pm$ 2%)                                                                                                                                                              |
| <b>SOLIDS CONTENT:</b>                     | 68% ( $\pm$ 2%)                                                                                                                                                              |
| <b>DRYING AT 20°C</b>                      | - Dust dry: 20-30 minutes<br>- Touch dry: 2-4 hours<br>- Total hardening : 48 hours<br>- Forced hardening: 45 minutes at 80°C<br>- Maximum chemical resistance: After 7 days |
| <b>RECOMMENDED COATS:</b>                  | One                                                                                                                                                                          |
| <b>THICKNESS:</b>                          | 40-50 $\mu$ m                                                                                                                                                                |
| <b>THEORETIC YIELD:</b>                    | 7-8 m <sup>2</sup> /L                                                                                                                                                        |
| <b>ADHESION (ASTM D 3359)<sup>1</sup>:</b> | B=5 on surfaces treated like above reported.                                                                                                                                 |
| <b>STORAGE STABILITY:</b>                  | Eighteen months, stored in closed packs, in a cool, dry place, away from any sources of heat.                                                                                |

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<sup>1</sup> The evaluation of adhesion varies from a value of 5 = excellent, to a value of 0 = very bad; for more information contact the SIRO SRL technical service.