

HIDROPRIMER

DESCRIPTION

Shop-primer type air-drying, water-soluble anti-corrosion primer, single component, non phosphating, lead- and chromate-free.

Due to its reaction to fire, it is classed **non-flammable** according to UNE-EN 13501-:2002 standard.

FIELD OF APPLICATION

It is compatible with any finish paint, and is, therefore, the ideal product as primer and pre-treatment of all kinds of metal elements. Excellent adherence on steel, light metals, aluminium and galvanised steel.

Excellent for repainting with water-soluble finishes of one or two components, also one component synthetic enamels, although in this latter case care must be taken that all moisture has evaporated from the priming film (24 hours air drying).

In the event of repainting with bi-component enamels on a solvent base, where the volatile system is more aggressive, it is recommended that application is only by spraying. If it is essential to use a brush or roller, methods more damaging to the integrity of the primer film, wait for 48 hours or reinforce the drying for 1 hour at 80°C and apply using little pressure, with the minimum necessary passes.

TECHNICAL CHARACTERISTICS

<i>Presentation:</i>	<i>Ready to use</i>
<i>Colour:</i>	<i>Reddish.</i>
<i>Finish:</i>	<i>Matt</i>
<i>Specific weight:</i>	<i>1.4 ± 0.05</i>
<i>Recommended dry thickness:</i>	<i>20 microns per coat</i>
<i>% volume of solids:</i>	<i>42.6 % ± 1%</i>
<i>Theoretical performance:</i>	<i>21.3 m²/Lt. = 15.2 m²/Kg.</i>
<i>Dry-to-touch:</i>	<i>15 min. at 20° C and 60% RH</i>
<i>Repaintable from:</i>	<i>12 hours at 20° C and 60% RH.</i>
<i>Application:</i>	<i>Brush, roller or gun</i>
<i>VOC:</i>	<i>100 gr/lit.</i>
<i>Indicated thinner:</i>	<i>Deionized water.</i>

PRELIMINARY TREATMENT OF SURFACES

On degreased and clean metals, at a level equivalent to the standard preparation of steel Sa.2 ½ of ISO 8501-1 standards.

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METHOD FOR APPLICATION

Brush:	Dilute with 0 to 5% of deionized water . Do not re-comb.
Roller:	To be avoided. If it must be used, do not dilute and use short-napped woollen rollers to prevent foam from forming.
Aerographic gun:	Add deionized water until you get a viscosity of between 40 and 50" Ford-4. Nozzle, 1.2 to 1.8 mm; Pressure 2.5 to 4 Kgs/cm ²
Airless gun:	Do not dilute. Nozzle, 0.011" to 0.015"; Nozzle-tip pressure, 180 to 200 Kgs/cm ² .
Immersion:	Add deionized water until you get a viscosity of between 20 and 25". Carefully regulate the extraction speed of the parts in order to prevent drips, running and other defects.

As for all coatings and paints, the application must be made on firm, dry substrate, at a support temperature of 3°C above dew-point, with an ambient temperature over 10°C and RH below 80%.

If the application is made in closed premises, the area must have the necessary air circulation not to exceed the limit set on relative humidity also during the drying period.

CHARACTERISTICS OF THE DRY FILM

Adherence:	Very good on all metal surfaces.
Flexibility:	3 mm in conical mandrel.
Thermal resistance:	Resists 80°C without its properties diminishing.
Reaction to fire:	Classed Bs,d0 according to Euroclases, UNE-EN 13501-1:2002.. Certification available on demand.

The hardening speed can be increased using forced ventilation or kiln drying at 60 – 80°C

PRECAUTIONS

Application should be performed with a plentiful air supply or with ventilation systems designed for this purpose.

Personal safety measures should be taken in order to avoid ingestion, inhalation or contact with the skin.

The normal precautions for fire prevention should be taken. Keep containers tightly sealed after use. Do not pour waste down the drain.

Product sensitive to ice, so we recommend that you store it somewhere dry and protected from weathering.

Storage stability: 1 year in their original, sealed containers, in good storage conditions.

OBSERVATIONS

We guarantee the quality of our products pursuant to our general terms of sale and supply. Our technical tips for use, expressed verbally, in writing or in tests, are offered in accordance with our current know-how and experience. They are mere indications, which do not imply our responsibility, nor do they exempt you from the need to check for yourselves that the products we supply do meet the procedures and goals you seek, by conducting your own controlling and testing. Application and use of the products is beyond our control and, consequently, depends exclusively on your own personal responsibility, and we decline responsibility for results other than those set out here. Our recommendations regarding safety should not prevent you from determining your own measures, adapted to the conditions of your installations. We reserve the right to modify the contents hereof, without prior notice, in accordance with their technological development.

HIDROPRIMER - Edition 27-06-11 - Voids all previous issues.

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