

UNIMARC SMALTO LUCIDO

ODORLESS WATER DILUTABLE ACRYLIC PROTECTIVE COATING FOR OUTDOOR AND INDOOR USE

series 310

DESCRIPTION

UNIMARC SMALTO LUCIDO is a high-quality waterborne product based on acrylic resins in aqueous dispersion and light high stability colouring pigments.

The acrylic resins making up the product give it excellent outdoor resistance, a good degree of light fastness and good filling power, dilatation and adhesion to a wide range of surfaces.

UNIMARC SMALTO LUCIDO does not contain any substances which damage health, it is odourless and not flammable.

Like all the products of the UNIMARC line, it proves easy to apply and features extremely short drying times.

UNIMARC SMALTO LUCIDO is suitable for creating top-quality finishes on exterior and interior surfaces made from steel, galvanized sheeting, light alloys, on woodwork, plastic and wall surfaces.

INSTRUCTIONS FOR USE

The product can be applied on:

- new or varnished woodwork;
- suitably treated ferrous metalwork;
- galvanized surfaces, aluminium and light alloys;
- plastic (PVC);
- wall and ceiling surfaces on interior.

Pay attention to the treatment of woods rich in tannin. To prevent the formation of unaesthetic dark stains apply UNIMARC PRIMER ANTITANNINO cod. 3080001/0019.

TECHNICAL SPECIFICATIONS

- Type of binder: water-based acrylic copolymer
- Solvent: water
- Specific gravity per UNI EN ISO 2811-1: 1.0-1.3 kg/l depending on the colour.
- Gloss per UNI EN ISO 2813: >80 at 60°
- Wet scrub resistance per UNI 10560: excellent, >10,000 cycles
- Viscosity UNI 8902: approx. 1400±300 cps at 25 °C (Brookfield rotational viscometer).
- Drying (25 C and 65%R.H.): touch dry 3 hours, coatability after 6 hours.

PREPARING THE SURFACE

Ferrous metal:

- Employ mechanical or manual cleaning methods to remove any flakes which, as a result of lamination, are not perfectly adherent, along with all traces of rust.
- Remove any layers of old paint which are not perfectly adherent and sand the whole surface.
- Remove any grease from the surface using a suitable diluent.
- Eliminate all traces of dust and dirt.
- Apply MARCOTECH AU METAL PRIMER 3320807 on a perfectly dry surface.
- On surfaces particularly exposed to the elements, apply 1-2 coats of PRIMER 1630307 rust inhibiting paint as an undercoat.
- Apply 2 coats of UNIMARC SMALTO LUCIDO.

Galvanized surfaces, aluminium and light alloys:

- Remove all traces of oxide by means of mechanical or manual cleaning.
- Carefully remove any grease using suitable alkaline solutions or thinner.
- Remove any layers of old paint which are not perfectly adherent and sand the whole surface in order to coarsen it.
- Remove all traces of dust and, on a perfectly dry surface, proceed with the application of MARCOTECH AU METAL PRIMER 3320807 on the areas which featured the rust.
- On surfaces particularly exposed to the elements, apply 1-2 coats of single component PRIMER cod. 1630307 as an undercoat.
- Apply 2 coats of UNIMARC SMALTO LUCIDO.

Plastic (PVC):

- Sand the surface in order to coarsen it slightly.
- Remove any grease using a suitable diluent and clean the surface.
- Apply 2 coats of UNIMARC SMALTO LUCIDO on a perfectly clean and dry surface.

Woodwork:

- Sand lightly in order to remove the raised wood fibres.
- Eliminate any coats of old flaking varnish and coarsen all the surfaces which have already been varnished.
- Remove any resin using a suitable diluent.
- Fill the imperfections with synthetic filler. Rub down the fillings and eliminate any dust.
- Apply 2 coats of primer UNIMARC FONDO UNIVERSALE series 335 on a clean, dry surface, allowing at least 6 hours between coats or using ORIENTALITE mat primer 1450519.
- Sand the surfaces and then proceed with the application of 2 coats of UNIMARC SMALTO LUCIDO.

Plaster:

- Make sure the plaster has a maturing time of at least 28 days.
- Check the state of repair. The surface must be consistent. If this is not the case, take measures to reconstruct and strengthen the surface using specific products.
- Remove any efflorescence by buffing or washing.
- Where the exterior or interior surfaces feature traces of old paint, remove any parts which are flaking and which are not perfectly adherent, whilst thick coats of lime-based paint or distemper must be removed completely by wetting the surface thoroughly and scraping, or using a water cleaning machine.
- Level any unevenness on the surface. Holes, cracks and depressions indoors can be treated using TAMSTUCCO 9400006 or TAMSTUCCO POLVERE 9410110; filling or levelling can be performed using BETOMARC 9450150 or using RASAMIX 9440160, or using other cement-based products.
- Cracks both indoors and out must be suitably widened and filled with filler or similar products.
- Rub down the fillings and repaired areas with glass-paper.
- Remove dust-, smog- and other deposits by buffing.
- Where the surface is affected by mould, treat the surfaces with COMBAT 222 Detergent 4810222 and with COMBAT

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333 Restorer 4810333.

- Make sure the surface is completely dry and apply:

Indoors, one coat of IDROFIS 4700006 acrylic water-based wall fixative or ATOMO 8840001 micronized solvent-free fixative.

Outdoors, or indoors in the presence of thin layers of old tempera or chalking paints, one coat of solvent-based wall fixative ISOMARC 4410111 or ATOMO 8840001 micronized solvent-free fixative.

- Proceed with the application of UNIMARC SMALTO LUCIDO .

Gypsum and gypsumboard:

- Where the surface features traces of old paint, remove any parts which are flaking and which are not perfectly adherent, remove thick coats of lime-based paint or distemper by wetting the surface thoroughly and scraping .

- Level any unevenness on the surface. Holes, cracks and depressions must be treated using TAMSTUCCO 9400006 or TAMSTUCCO POLVERE 9410110;

- Cracks must be suitably widened and filled with filler or similar products.

- Rub down the fillings and repaired areas with glass-paper.

- Remove dust-, smog- and other deposits by buffing.

- Where the surfaces are affected by mould, employ the COMBAT system (as described above).

- Make sure the surface is completely dry and apply:

Indoors, one coat of IDROFIS 4700006 acrylic water-based wall fixative or ATOMO 8840001 micronized solvent-free fixative. On plasterboard, apply the specific fixative PREPARA 4710019 pigmented fixative.

In the presence of thin layers of old tempera or chalking paints, one coat of solvent-based wall fixative ISOMARC 4410111 or ATOMO 8840001 micronized solvent-free fixative.

- Proceed with the application of UNIMARC SMALTO LUCIDO.

(The thinning of the sealer and the quantity to be applied depend on the level of absorption of the surface and should be determined by performing preliminary tests on the specific surface).

APPLICATION INSTRUCTIONS

-Air and surface conditions:

Air temperature: Min. +10 C / Max. +35 C.

Relative humidity of the air: <75%.

Temperature of the surface: Min. +10 C / Max. +35 C.

Dry surface.

-Tools: brush, roller or spraygun.

-N. coats: at least 2 coats.

-Diluting: with water

by brush and roller at 0-5% max

by spraying at 10-15%.

-Tools should be cleaned with water immediately after use.

-Indicative spreading rate: 6-7 sq m/l based on 2 coats, for a thickness of 40 microns.

TINTING

Colors are obtainable via the Marcromie color matching

system and using COLORADO series 548 colorants.

When using multiple batches it is recommended to remix the various products together to avoid slight differences in shading.

STORAGE

Maximum storage temperature: +30° C

Minimum storage temperature: +5° C

Stability in the original unopened containers and with suitable temperature conditions: 3 years.

SAFETY RULES

EU limit value (Dir. 2004/42/EC)

Cat. B: glossy coatings for interior walls and ceilings (gloss >

25@60°) (water-base): 150 g/l (2007) / 100 g/l (2010)

Cat. D: Interior/exterior trim and cladding paints for wood, metal or plastic (water-base): 150 g/l (2007) / 130 g/l (2010)

UNIMARC SMALTO LUCIDO Contains max: 100 g/l VOC

The product does not require labelling per the provisions of 67/548/CEE and 1999/45/CE and subsequent changes and amendments. Use the product according to current health and safety regulations; after use, do not discard the containers in the environment; allow the residue to dry thoroughly, then treat as special waste. Store out of the reach of children. Use in a well ventilated place. In case of contact with eyes, wash immediately with abundant running water. In caso of ingestion, see a physician immediately and show him or her the container or label. Do not dispose of residues in the sewers, waterways or ground.

For more information consult the safety data sheet.

SPECIFICATION ITEM

Applications, on previously prepared surfaces, of UNIMARC SMALTO LUCIDO Water-based gloss top coat series 310 - with a base of water-based acrylic resins and colouring pigments with a high degree of light stability - with at least 2 coats, for a minimum consumption of 140 ml/sq m.

Supply and application of the material €. per sqm.

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