

# MARCOTECH AU10

WATER-BORNE ACRYLIC-URETHANE MATT TOP COAT FINISHES

series 315

## DESCRIPTION

High quality water-based enamel in an aqueous dispersion of acrylic-urethane resin and coloured pigments with good light fastness and resistance to yellowing.

It can be used to create lacquered finishes and it is particularly recommended for doors, shutters and frames, thanks to its:

-High surface hardness, resistance to abrasion and scratch..

-Low contact sensitivity to greasy substances (creams, skin grease and oils). Dirt and oil do not penetrate the enamel's film, which remains intact over time.

-Absence of blocking.

-Easy to apply, due to its excellent applicational properties such as good filling and flow, which can provide quality and high performance finishes.

For interior and protected exterior applications. Ideal for properly prepared wood, plastic and metal substrates.

## 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).

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-urethane copolymer in aqueous dispersion

-Solvent: water

-Specific gravity per UNI EN ISO 2811-1: 1.10-1.35 kg/l depending on the colour.

-Gloss per UNI EN ISO 2813: 10 at 60°

-Viscosity per UNI 8902: approx. 2000±300 cps. at 25 °C (Brookfield rotational viscometer).

-Drying (25 °C and 65% R.H.): to touch in 3 hours, to recoat after 5 hours.

## PREPARING THE 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 suitable diluent.

- Fill the imperfections with synthetic filler. Rub down the fillings and eliminate any dust.

- Apply 2 coats of UNIMARC FONDO UNIVERSALE series 335 on a clean, dry surface, allowing at least 6 hours between coats or using MARCONOL ORIENTALITE mat primer 1450519.

- Sand the surfaces and then proceed with the application of 2 coats of MARCOTECH AU10.

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 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 MARCOTECH AU10.

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 2 coats of single component PRIMER cod. 1630307 as an undercoat.

- Apply 2 coats of MARCOTECH AU10.

Plastic (PVC):

- Sand the surface in order to coarsen it slightly.

- Remove any grease using suitable diluent and clean the surface.

- On clean and dry surface apply 2 coats of UNIMARC FONDO UNIVERSALE series 335.

- Apply 2 coats of MARCOTECH AU10.

## APPLICATION INSTRUCTIONS

-Air and surface conditions:

Air temperature: Min. +8 °C / Max.+35 °C.

Relative humidity of the air: <75%.

Temperature of the surface: Min. +5 °C / Max. +35 °C.

Dry surface.

-Tools: roller, spraygun, brush.

-Dilution: by brush and roller ready to use or at 5% max with water; by spraying at 15% max with water.

-N. coats: at least 2 coats.

-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 60 microns.

## TINTING

Colors are obtainable via the Marcromie color matching system.

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

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## STORAGE

Maximum temperature for storage stability: +30 °C

Minimum temperature for storage stability: +5 °C

The product should be preferably used within 3 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

## SAFETY RULES

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

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

MARCOTECH AU10 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 case 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

Urethane-acrylic matt water-based top coat for interior and protected exterior applications.

Apply at least 2 coats of matt MARCOTECH AU10 water-based enamel, based on urethane-acrylic resin in an aqueous dispersion and coloured pigments with good light fastness, onto prepared surfaces at a minimum spreading rate of 140 ml/m<sup>2</sup>.

Supplying and application of the material € ..... per m<sup>2</sup>.

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