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# Marcotech Au 3D

Water-based, satin-effect resistant enamel for concrete floors



SERIES 317

MARCOTECH AU 3D - V.2024-09-23

## DESCRIPTION

Single-component finish with low thickness for indoor/outdoor cement floors. The formulation based on acrylic-urethane resins in water dispersion and coloring pigment of high resistance to light and yellowing make MARCOTECH AU 3D ideal for exhibition rooms, showrooms, waiting rooms, box, non-industrial warehouses and house garages.

The product is also suitable for painting indoor walls offering good abrasion resistance and mechanical performances, and is easily cleaned.

- High surface hardness, resistant to abrasions, scratches and repeated trampling, resistant to hot tyres.
- Excellent chemical resistance in contact with gasoline, petrol and various solvents. Dirt and grime do not penetrate into the finish which remains intact over time.
- Excellent surface adhesion.
- Easy to clean
- Fast drying

## INSTRUCTIONS FOR USE

Can be applied on:

- New cement surfaces or cement surfaces painted with compatible paints.
- Lime-based plasters and new cement surfaces or cement surfaces painted with compatible paints.

## TECHNICAL SPECIFICATIONS

- Type of binder: water-based acrylic-urethane copolymer
- Solvent: water
- Specific gravity per UNI EN ISO 2811-1:  $1.25 \pm 0.05$  kg/l
- Gloss per UNI EN ISO 2813:  $\geq 10$  at  $85^\circ$ , satin
- Viscosity per UNI 8902:  $15000 \pm 3200$  cps at  $25^\circ\text{C}$  (Brookfield rotational viscometer).
- Wet scrub resistance per UNI 10560: excellent,  $>10000$  cycles
- Drying (at  $25^\circ\text{C}$  and 65% R.H.): to touch in 60 min.; to recoat after 5 hours.

## PREPARING THE SURFACE

### Cement floors:

- Make sure the support is thoroughly dry and completely set.
- Check the condition. The surface must be consistent and not crumbling. Otherwise, repair or consolidate with specific products.
- Level out any irregularities on the surface. Holes, cracks, crevices and depressions can be treated with cement-based products.
- Check the condition of any previous paintwork. Remove any flaky parts.
- Remove deposits of dust, smog or other impurities by brushing or washing the surface.
- If mould is present, treat the surface with COMBAT 222 detergent, code 4810222 and COMBAT 333 Risanante 4810333.
- If conditions warrant, use the ATOMO 8840001 fixative.
- Apply at least two coats of the diluted product.

### Plaster surfaces:

- Make sure the surface has set and dried completely (at least 28 days).
- Check the condition. The surface must be consistent. Otherwise, repair or consolidate with specific products.
- Brush or wash away any efflorescence present.
- If there is any old and peeling paintwork, remove any parts not perfectly adhering to the surface, while raised layers of lime-based or tempera paints must be completely removed by wetting the surface thoroughly and scraping or using a pressure washer.
- Level out any irregularities on the surface. Holes, cracks, crevices and depressions inside can be treated with BETOMARC 94505150 or RASAMIX 9440160 or with cement-based products.
- Sand any stuccowork and patched jobs with sandpaper.
- Remove deposits of dust, smog or other impurities by brushing.
- If mould is present, treat the surface with COMBAT 222 detergent, code 4810222 and COMBAT 333 Risanante 4810333.
- Apply the ATOMO 8840001 micronized fixative.
- Apply at least two coats of the diluted product.

## 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.

The surface must be dry

- Tools: brush, roller and sprayer.
- Dilution: 10-20% with water.
- Number of coats: at least two.
- To prevent the formation of shading, apply the product without stopping and do not perform any touch-ups with a roller or brush once the product has started to dry.
- Indicative coverage: For smooth and compact surfaces, 18-20 sqm/l per coat. For rough and absorbent surfaces, 12-15 m<sup>2</sup>/l per coat. It is recommended to conduct a preliminary test on the specific support to determine the consumption rates.
- Clean tools and equipment with water immediately after use.
- Follow the drying times before applying another coat.

### Limitations of use:

- the humidity on the surface must be less than 5%
- the pH of the surface must be less than 12
- to guarantee maximum durability, the outdoor surface must have a minimum slope of 1% towards the evacuation of rainwater to prevent water stagnation.

## TINTING

The product may be tinted by means of the Color Matching System.  
When using multiple batches it is recommended to remix the various products together to avoid slight differences in shading.

## STORAGE

Maximum temperature for storage stability: +30 °C  
Minimum temperature for storage stability: +5 °C  
The product should be preferably used within 2 years from date of manufacture when stored in original unopened containers and in appropriate temperature conditions.

## SAFETY RULES

Limit value EU (Dir. 2004/42/EC)  
Cat. A/i: One-pack performance coatings (water-base): 140 g/l (2010)  
The product contains max: 140 g/l VOC  
  
Use the product in accordance with the hygiene and safety regulations in force; avoid litter with the containers, allow the remains to dry well and treat as special waste.  
For further information consult the safety data sheet.

## SPECIFICATION ITEM

On already prepared surfaces, apply at least two coats (depending on the absorption of the surface) of MARCOTECH AU 3D series 317 water-based satin finish for cement floors, based on acrylic-urethane resins in aqueous dispersion and coloured pigments with high light fastness.  
Supply and installation of the material € ..... per sq.m.