

# UNO

HIGHLY WASHABLE SATIN EFFECT WATER-BASED PAINT FOR INDOOR AND OUTDOOR USE

series 411

## DESCRIPTION

UNO is a highly washable emulsion paint for painting exterior and interior masonry, wherever a high level of finish is required along with resistance against frequent washing.

The binder is made up of a vinylversatic copolymer which is resistant against the alkalinity of plastering, giving the product excellent resistance against washing. Once applied, the film is easy to clean.

The product features excellent hiding power and a good white point.

UNO proves easy to apply and features good flow.

## INSTRUCTIONS FOR USE

May be applied on:

- New and old plasters based on hydraulic binders.
- Indoor concrete surfaces.
- Gypsum and gypsumboard surfaces.
- Old paints and wall coatings that are organic or mineral in nature, dry, compact, absorbent and cohesive.
- Mineral conglomerates of various kinds, as long as they are absorbent.

Surfaces should be adequately prepared by following the instructions given in the paragraph 'PREPARING THE SURFACE'.

Do not apply on freshly painted surfaces.

- It is not recommended for use on outdoor concrete surfaces since, due to its high permeability, the product has no protective powers against the aggression of carbon dioxides, the leading cause of concrete degradation.

## TECHNICAL SPECIFICATIONS

- Type of Binder: water-based vinylversatic copolymer
- Classification per UNI EN 13300:
  - .Wet-scrub resistance per ISO 11998: class 2
  - .Gloss per EN ISO 2813: 10-30 at 85°, semi-matt
  - .Hiding power per ISO 6504-3: class 1 on 7 mq/l spreading rate

Other characteristics

- Specific gravity per UNI EN ISO 2811-1: 1,30 – 1,55 kg/l
- Viscosity per UNI 8902: 44000 ± 1600 cps at 30 °C (Brookfield viscometer)
- Wet-scrub resistance per UNI 10560: >5000 cycles, excellent
- Alkali resistance per UNI 10795: alkaliproof
- Drying time (at 25 °C and 65% R.H.): to touch in 30 min; to recoat after 4 hours.

## PREPARING THE SURFACE

- Make sure that the surface is thoroughly dried and aged. Resurface or consolidate using specific products if necessary.

- If mold is present, treat the surface with COMBAT 222 cleanser code 4810222, and with COMBAT 333 reconstruction code 4810333. To protect the wall from mold formation, add COMBAT 111 code 4810111 sanitizer to the

product for outdoor applications, or COMBAT 444 code 4810444 for indoor applications.

- Brush or wash to remove any efflorescence and any old peeling paint. Completely eliminate any raised layers of lime-based or tempera paints.
- Remove any dust, smog or other deposits by brushing.

Plaster, gypsum and gypsumboard surfaces:

- Indoors, level any irregularities in the surface and treat holes, cracks, crevices and gaps with TAMSTUCCO 9400006/9410110; sand putty and touch-ups with sandpaper.

- Use adequate sealants to seal any cracks.
- Smooth if necessary with RASAMIX 9440160 or with BETOMARC 9450150 or RASOMARC 9500150 according to the type of support.

- On a clean, dry surface apply:

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

- Apply UNO.

Concrete surfaces:

- Remove any crumbling structural cement.
- The metal reinforcement disks visible on the surface must be carefully brushed and treated with BETOXAN PRIMER 9490125 passivating agent.

- Restore the missing parts with the smoothing coats BETOXAN 400 or BETOXAN 300 Non-shrinking thixotropic fiber-reinforced mortar 9490140/0130; perform the final smoothing with BETOXAN 200 Non-shrinking anti-carbonation smoothing coat 9490120.

- On a clean, dry surface 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.

- Apply UNO.

\*(The dilution of the fixative and amounts to be applied depend on the absorption of the support surface, and must be determined through preliminary tests on the specific support surface - See the relevant technical data sheet).

## APPLICATION INSTRUCTIONS

- Air and support surface conditions:

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

Relative environmental humidity: <75%

Support surface temperature: Min. +5 °C / Max. +35 °C

Moisture level of the support surface: <10%

- Avoid applying when surface condensation is present, or in direct sunlight.

- After application, outdoor surfaces must be protected from rain and moisture until the product has dried completely,

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which normally (at 20°C) takes place after approximately 48 hours.

- Tools: brush, roller, spray gun or airless.
- N coats: at least 2 coats of the product should be applied.
- Diluting: base coat at 50% with water; subsequent coats at 35%
- When spraying and airless spraying thinning varies depending on the unit and operating pressure used.
- Tools should be cleaned immediately after use using water.
- Indicative spreading rate: 9-12 sqm/l per coat based on smooth surfaces featuring average absorption. It is advisable to determine the actual spreading rate by carrying out a preliminary test on the specific surface.

washable emulsion paint series 411 - with a water-based vinylversatic resin base, with excellent Wet scrub resistance per UNI 10560 - with at least two coats of a quantity determined by the absorption of the surface. Supply and application of the material €.....sqm.

*SAN MARCO GROUP guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets. For further technical information call the technical service +39 041 4569322.*

## TINTING

Colors are obtainable via the Marcromie color matching system and using COLORADO series 548 colorants.

**WARNING:** the colors derived from the base transparent recommend a maximum dilution to 20% with water.

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

For outdoor tasks it is a good rule of thumb to always use material from the same batch, from corner to corner. For tasks where it is unavoidable to continue on a wall with a different batch, do not place the batches contiguously. For the transition point, use any interruptions in the continuity of the surface: moldings, corners, cables, etc.

## 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/a: Matt coatings for interior walls and ceilings (gloss <25@60°) (water-base): 30 g/l (2010)

Cat. A/c: Coatings for exterior walls of mineral substrate (water-base):40 g/l (2010)

UNO Contains max: 30 g/l VOC

Use the product in compliance with the hygiene and safety regulations in force. Do not dispose of the containers as usual waste. Allow the residue to dry, and handle them as special waste. Store out of the reach of children. Use in a well-ventilated room. If the product comes into contact with the eyes, wash them immediately with plenty of water. If swallowed, immediately consult a physician and show him the container or label. Do not throw the residues into sewer systems or streams, or onto the ground.

Consult the safety data sheet for more information.

## SPECIFICATION ITEM

Application, on prepared surface, of UNO Highly

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