



# TECHNICAL DATA SHEET VELATURE

SILOXANE DECORATIVE PROTECTIVE TREATMENT WITH ANTIQUED EFFECT  
FOR EXTERIOR AND INTERIOR / SERIES 383

## DESCRIPTION

VELATURE is a masonry preservative for exterior and interior walls, based on modified siloxanic polymers and special additives which give the product excellent permeability, together with a high level of water repellency and excellent outdoor resistance.

Applying VELATURE over NEPTUNUS series 380, or NEPTUNUS RIEMPITIVO series 382, or DECORFOND 3880019 for interior applications, enables chromatic effects to be obtained which resemble antique plastering.

VELATURE, together with the NEPTUNUS system, represents an innovative alternative solution to mineral products, since it enables lovely aesthetic finishes to be obtained, which also prove remarkably resistant, without the problems encountered when using lime-based or silicate paints.

NEPTUNUS's formulation was devised in conformity with the Kuenzle theory which establishes that exterior plastering must simultaneously meet the following parameters:

- Water absorption  $W < 0.5 \text{ kg/m}^2 \times h^{0.5}$
- Resistance against the diffusion of water vapour  $S_d < 2$
- Product of  $W \times S_d < 0.1$

VELATURE is suitable for protecting and decorating the walls of buildings of architectural interest, in restoring buildings in historical city centres and at the end of dehumidifying restoration cycles, wherever an antiquing finish is required.

## INSTRUCTIONS FOR USE

May be applied on surfaces previously painted with NEPTUNUS s. 380 or NEPTUNUS RIEMPITIVO s. 382; for interior use apply DECORFOND 3880019:

- New and old plasters based on hydraulic binders.
- 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.

## TECHNICAL SPECIFICATIONS

- Nature of the binder: modified siloxanic copolymers.
- Specific gravity UNI EN ISO 2811-1:  $1.09 \pm 0.05 \text{ kg/l}$

- Viscosity UNI 8902:  $14400 \pm 2400 \text{ cps}$  at  $25 \text{ }^\circ\text{C}$
- Alkali resistance UNI 10795: alkaliproof
- Water permeability per UNI EN 1062-3: low,  $w < 0.10 \text{ kg/m}^2\text{h}^{0.5}$
- Water vapor permeability per UNI EN ISI 7783-2: high,  $S_d = 0.08 \text{ m}$
- Drying times (at  $25 \text{ }^\circ\text{C}$  and 65% R.H.): touch dry in 1 hour; coatability after 6 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.
- 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
- Level any irregularities in the surface and treat holes, cracks, crevices and gaps with TAMSTUCCO 9400006/9410110. Use adequate sealants to seal any cracks.
- Sand putty and touch-ups with sandpaper; remove dust.
- Smooth the plaster, 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.
  - 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 1-2 coats of DECORFOND 3880019 on interior surfaces.
- Apply 2 coats of NEPTUNUS s. 380 or NEPTUNUS RIEMPITIVO s. 382 on exterior surfaces.
- Once the undercoat is completely dry (after at least 12 hours) apply VELATURE.

### 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 9490140/130; perform the final smoothing with BETOXAN 200 Non-shrinking anti-carbonation smoothing coat 9490120.
- Make sure that the support is completely dry and bond with a coat of IDROFIS 4700006 acrylic water-based wall fixative or ATOMO 8840001 micronized solvent-free fixative. Generally, on highly chalking surfaces, in the presence of thin layers of old tempera or deteriorated paints, apply one coat of ISOMARC 4410111 solvent-based fixative or ATOMO 8840001 micronized solvent-free fixative.
- Apply 1-2 coats of DECORFOND 3880019 on interior surfaces.
- Apply 2 coats of NEPTUNUS s. 380 or NEPTUNUS RIEMPITIVO s. 382 on exterior surfaces.
- Once the undercoat is completely dry (after at least 12 hours) apply VELATURE.

\*(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

- On exterior surfaces VELATURE. must be applied over NEPTUNUS WHITE 3800019 or NEPTUNUS RIEMPITIVO s. 382.
- On interior surfaces VELATURE. must be applied over DECORFOND 3880019.
- Ambient and support surface conditions:  
Ambient temperature: Min. +8 °C / Max. +35 °C  
Relative environmental humidity: <75%  
Temperature of the surface: 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, which normally (at 20°C) takes place after approximately 48 hours.
- Tools: brush, sponge, wad or cloth.
- Dilution: variable from 70% to 100%.
- Procedure: after having spread the product over the surface with a brush, the final effect can be created:
  - with a brush: work at the surface in an uneven manner to achieve a soft effect;
  - with a sponge or wad: use a sponge or wad that have been lightly dipped in paint;
  - with a cloth: use a cloth to remove excess paint from the surface; the movement of the cloth creates the decorative effect.

- The product must be worked upon before it begins to dry; in the case of large surfaces, avoid joints; always work wet on wet, with sufficient number of decorators to guarantee this condition.
- All tools should be cleaned using water immediately after use.
- Indicative coverage: around 15-20 sq.m./l per coat, varying on the basis of the type of surface and process used. These figures are given for smooth surfaces of average absorption. It is recommended that a test be effected on the surface to determine effective coverage of the product.

### TINTING

Colors are obtainable via the Marcomie color matching system.

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

Stability in the original closed containers stored at suitable temperatures: 2 years.

### SAFETY RULES

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

Cat. L: Decorative effect coatings (water-base) : 300 g/l (2007) / 200 g/l (2010)

VELATURE Contains max: 100 g/l VOC

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Keep out of the reach of children.

Do not empty into drains.

Wear suitable protective clothing and gloves.

If swallowed, seek medical advice immediately and show container or label.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste.

Consult the safety sheet for additional information.

### SPECIFICATION ITEM

Siloxanic preservative with antiquing finish.

Application, on previously prepared surfaces, of suitably tinted VELATURE paint serie 383, with water-based

siloxanic polymer base, suitable for creating antiquing chromatic finishes.

Supply and application of the material.....per m2.

*COLORIFICIO SAN MARCO 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*