

Document type	Technical Data Sheet
<b>Name</b>	<b>VENETIAN FAÇADE</b>
<b>Description</b>	Natural, lime-based material for decorative finishes on interior and exterior wall surfaces. Venetian Facade is a revolutionary Venetian Plaster for high humidity environments, with a composition that boasts hydraulic properties and specialised additives to provide exceptional resistance against mould and moisture.
<b>Composition</b>	Hydraulic lime and selected marble powders
<b>Grain size</b>	700 microns
<b>Appearance</b>	Powder
<b>Colour</b>	White, it can be tinted in any colour with lime-compatible colourants
<b>Packaging</b>	16 kg net polyethylene containers
<b>Application</b>	By hand, with a steel trowel
<b>Type of Surface</b>	Interior and exterior walls <u>New Wall Surface</u> Plaster: no priming necessary Gypsum / Plasterboard / Medium Density: one coat of QUARTZ PRIMER <u>Old Wall Surface</u> Plaster: one coat of QUARTZ PRIMER Fast drying / Limewash: brush down and apply one coat of QUARTZ PRIMER Polished Lime: Abrade, brush down and apply one coat of QUARTZ PRIMER Washable Paint: one coat of QUARTZ PRIMER
<b>Dilution</b>	Put the 16 kg of powder into a tub with 6.4 L of water and mix (For every 1 kg of powder, add 400 ml of water to achieve the correct dilution ratio). Wear a protective mask and glasses when mixing.
<b>Consumption</b>	1.7 – 2.2 kg / sqm of powder after 2 or 3 coats
<b>Drying</b>	5 hours at 20°C / 68°F to the touch 72 hours at 20°C / 68°F below the surface 150 days stable
<b>Application temperatures</b>	min 5 max 30°C – R.U. < 85% ca
<b>Coat Thickness</b>	1.2 – 1.7 mm for a total of 2-3 coats
<b>VOC Classification</b>	EU Directive 2004/42/CE: EU limit value for this product (cat A/I – water-based decorative effect coating): 200 g/l (2010). This product contains less than 1 g/l of VOC.
<b>Specific Weight</b>	1.4 ± 0.2 (g/L)
<b>pH after 30 days</b>	12.4 ± 0.50
<b>Vapour Permeability</b>	SD ~ 0,04 m (DIN 52 615)
<b>Flammability</b>	European Class of Reaction to Fire A1: non-combustible – no contribution to fire
<b>Mould Resistance</b>	ASTM D 3274 – “Standard Test Method to evaluate the degree of surface disfigurement of paint by microbial, fungal and algae growth. Result: Front Panel 10/10/10 Back Panel 10/10/10 = no growth

<b>Scrub Test Resistance</b>	ASTM D 2486-06 method A = was used: scrubbing fine sand + metallic brush for 10,000 cycles
<b>Impact Test</b>	UNI EN ISO 6272-2-2006. 1 kg doming punch was dropped from different heights and only at the height of 8 cm., it left a 5.5 mm. dent in the surface and a tiny crack appeared around its circumference.
<b>Pencil Hardness</b>	ASTM D3363- Pencil hardness 5H
<b>Shore Hardness</b>	Norm ASTM 2240 average
<b>Adhesion</b>	Norm UNI EN 13892-8 2004 average value = 2,0
<b>Pot life</b>	4 hours on average
<b>Shelf life</b>	24 months when stored according to the recommended guidelines
<b>Storage</b>	In original sealed packaging between 5° - 35°C in a dry, dark environment
<b>Safety Norms</b>	Irritating. / Risk of serious damage to eyes. / Irritating to the skin. / Keep out of children. / Avoid contact with eyes. / In case of contact with eyes, clean immediately with water without rubbing them, and consult a doctor. / Wear suitable gloves and eyes / face protection. / In case of ingestion of the products, consult immediately a doctor showing him the can or the label of the product. Danger labelling under directives 67/548/EEC and 1999/45/EC nd following amendments and adjustments. The product must be transported, used and stored according to current standards of hygiene and safety.
<b>Disposal</b>	Product must be disposed of according to norms and regulations in force. Containers must be sent for recycling. Follow directions on the packaging
<b>Application Instructions</b>	<p><b>WARNINGS</b></p> <p>We recommend using materials from the same production batch for the same project. If you must use different batches, we suggest mixing their material together to avoid any slight variations in shading.</p> <p>To ensure proper usage, dilution, and application of the products mentioned in these pages, please consult the corresponding technical data sheets.</p> <p>When preparing the surface and applying the materials, we advise using appropriate tools and personal protective equipment (PPE).</p> <p>During application and for the following 72 hours, protect the surfaces from sudden temperature change, direct sun light and water. Don't apply in temperatures below 8°C or above 35°. During application make sure that the work area isn't too damp or warm to avoid problems with application times.</p> <p>Remember to have a strong light parallel to the wall and situated on only one of the two sides of the wall you are working on (usually on the same side as other sources of light such as windows). In this way the shadow of the trowel allows you to see the actual state of the finish. Every so often, during the second and third coat, the light should be moved so that the wall doesn't dry out too much in one spot from the heat of the lamp.</p> <p><b>APPLICATION</b></p>

Apply the primer with a roller or brush. A primer containing quartz sand is recommended. Lime-based and sand plasters which are clean don't need to be primed.

1. Using approximately 600-750 gm/sqm apply it directly to the substrate plaster, taking care to apply it evenly so as to smooth out any imperfections on the surface. On ideal substrates, such as new plasters of lime/cement and fine sand, the first coat can be skipped, starting application from the second coat.

2. If you apply the second coat as evenly as possible with a metallic trowel you will get little or no dark and light effect, but if you apply it unevenly, you will get more of a dark and light effect, specially with dark colours. To do this coat make sure the blade-edge of the trowel is always clean and free of imperfections. The edge can be cleaned with P360 sandpaper. Usually the second coat is applied over the entire surface before applying the third coat. But on large surfaces in hot, dry conditions it might be necessary to have a second person begin to apply the third coat while the first person completes the second coat.

3. Using approximately 100-120 gm/sqm, apply the third coat before the second coat is completely dry, that is 'wet-into-wet', so that the grains of marble penetrate into the previously applied coat. With this hand, proceed with the final smoothing and polishing. For a greater polish, go over the surface repeatedly with the trowel.

#### EXTERIORS

For exterior applications there are some rules to respect and some precautions to take. We remind you that carbonation, i.e. the process that takes place through the absorption of atmospheric CO<sub>2</sub>, is completed in a few hours on the surface but takes several days to take place in depth. It is therefore important that the application takes place in the certainty of the absence of heavy rains in the three following days. It is also not recommended to apply it on walls that do not have at least a small roof overhang. Penetrating rain could ruin the finish even after weeks as deep carbonation is completed after more than a month. Avoid windy days, especially at high temperatures, as well as the risk of frost in the 48 hours following application. In external applications in hot climate conditions, it is also recommended to protect the wall from the sun with shade cloths applied to the scaffolding. Lime-based products must dry slowly to better fulfil their characteristics.

#### Finish Protection

INTERIOR: BEESWAX / MINERAL WAX / MARSEILLE SOAP / HYDROCALCE

EXTERIOR: MARSEILLE SOAP / HYDROCALCE

 WET AREAS: PU1C

A protective treatment is optional in most circumstances. It is however necessary in bathroom walls, kitchen and splashback walls, and a must inside shower/sauna walls. On exteriors, protective treatments are obligatory only in highly polluted cities.

#### Interiors

After a minimum of 48 hours, at least one coat of the following can be applied:

A) MARSEILLE SOAP protective coating with a steel trowel. After 48 hours, go over the surface with a cloth to remove the coat of surface powder produced by unabsorbed soap.

B) BEESWAX WAX applied with a sponge. After a little while, before it dries, rub vigorously with a woollen or soft cloth to obtain an even polish.

C) MINERAL WAX applied with a sponge. After a little while, before it dries, rub vigorously with a woollen or soft cloth to obtain an even polish.

#### Exteriors

This finish, as all lime-based plasters, absorbs water during rainy weather, which results in a temporary "wet effect" on the surface. However, this plaster releases the absorbed water within a few hours, allowing the surface to dry without any damage nor alteration to the finish. While a final treatment is therefore optional, it is highly recommended in areas with high pollution levels or if you wish to avoid the temporary wet effect that can occur after rainfall. To protect the finish, after at least 72 hours at a minimum of 20°C, proceed with a colourless, penetrating HYDROCALCE, developed to protect exterior plaster coverings.

<b>Maintenance</b>	No special work is required in maintenance, just remove the dust periodically and re-wax it after 5 or 6 years if applies. Protect the coating from any contact with liquid either rain or continuous water flowing down the wall. If any liquid such as coffee is spilled on the surface, clean immediately.
<b>Tools</b>	SI TROWEL / BIANCO, SCRAPERS, CORNER TROWEL, NON-WOVEN FABRIC Clean with water immediately after use
<b>Decorative complements (optional)</b>	MICA / TERRACOTTA / SALT & PEPPER / MILLED MARBLE / EBANO POWDER METALLIC BEESWAX / PERLA WAX

We have drawn up the material presented above to the best of our technical and experiential knowledge. Nevertheless, our suggestions and recommendations are not guaranteed. All responsibility for the obtained results lies solely with the method and conditions adopted for the application of the product. Such indications constitute valid support for verifying the product's suitability for the specific case. We reserve the right to make modifications to the present information without previous warning.