

Document type	Technical Data Sheet
<b>Name</b>	<b>SETA PLASTER</b>
<b>Description</b>	Natural, lime-based material for decorative finishes on interior wall surfaces. Naturally anti-mould and breathable. Seta Plaster boasts a soft iridescent effect that shines through when light hits the wall. Its slightly rough, matt finish imitates the chiaroscuro and metallic sheen of silk, offering not only the visual appeal of this precious fabric, but also its smooth touch.
<b>Composition</b>	Aged, slaked lime, selected marble powders, pearlescent mica powders
<b>Grain size</b>	400 microns
<b>Appearance</b>	Paste
<b>Colour</b>	White, it can be tinted in any colour with lime-compatible colourants
<b>Packaging</b>	20 kg net polyethylene containers
<b>Application</b>	By hand, with a steel trowel
<b>Type of Surface</b>	Interior 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>	Ready to use
<b>Consumption</b>	2.1 kg/m <sup>2</sup> after three coats
<b>Drying</b>	3 hours at 20°C / 68°F to the touch 48 hours at 20°C / 68°F below the surface 180 days stable
<b>Application temperatures</b>	min 5 max 30°C – R.U. < 85% ca
<b>Coat Thickness</b>	1.4 – 1.6 mm for a total of 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 (kg/l)
<b>pH after 30 days</b>	12.5 ± 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>Shelf life</b>	36 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>Water on the surface of the material in the bucket is normal and should be removed before use or addition of colourants. All lime-based products lose their viscosity when mixed and need a period of 6/12 hours after mixing to regain their density. This product is dense, and ready for use; thus it may be necessary to use an appropriate drill attachment to stir for a few minutes to reduce viscosity. Choose the colour and add the toner additive to the container and continue mixing until a homogeneous shade is obtained. Let the product rest for about 5 hours before you begin to use it.</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°, 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>

## APPLICATION

Protection of the work area: Masking tape and protective material over the baseboards and around windows and doors.

## PRIMER

One coat of QUARTZ PRIMER is applied uniformly with a roller or a brush to a smooth, clean surface and allowed to dry completely (3-5 hours). It is necessary to apply the primer on all surfaces with the exception of plasters made of lime and sand, as these have a similar composition to SETA PLASTER.

## FIRST COAT

Apply a thin, even coat of Stucco Seta over the entire surface with a metal trowel. Avoid making too many ridges and allow it to dry completely (6-8 hours). Usually it is best to remove the masking tape from around doors, windows and baseboards and reapply it. This will help to get more clean and straight lines.

At this point, you have the choice of various applications techniques:

### 1. SILKY VELVET EFFECT

Application is identical to that of the MARMORINO VELVET, that is: if you apply the second coat as evenly as possible with a metallic trowel you will get little or no dark and light effect. However, if you apply it unevenly, you will get more of a dark and light effect, especially with dark colours (where we leave more material we will have darker tones and where there's less it will be lighter). 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. The third coat should be applied before the second coat has dried completely. To recognize the right moment, you should observe that the water that was on the surface has been absorbed, but the plaster still appears slightly damp. The second coat should have almost completed the shrinking process that typically occurs with lime-based products. With ideal room temperatures, this occurs after about 20 minutes, the time it usually takes to apply the second coat onto a medium-sized wall. The third coat will be applied over this even surface. No undue care needs to be taken when applying it since this final layer will be smoothed out almost immediately with a dry sponge float. It is difficult to say how much time you need to wait before using the sponge float because it depends on how absorbent the wall is and what the temperature and humidity is. Generally, the plaster should be damp enough to be able to smooth the surface moving the sponge float in opposite sweeping directions several times. This will fill in pits and flatten ridges without leaving marks on the wall. Almost immediately after the application of the third coat the surface is uniformed using special SPONGE FLOAT FOR VELVET. The sponge float will need to be cleaned from time to time of excess material which has accumulated on its surface. To do this, gently scrape the surface of the sponge float on the edge of a metal trowel, and then put the excess stucco into a container to be reused later. Let it dry 60-70% and compress the surface with the metal trowel (better to use the BIANCO trowel). It is important to understand the right time to do this: if you compress too soon you get a

surface similar to that of MARMORINO VENETIAN PLASTER, everything is smooth. If you wait too long the surface will be too dry to be compacted. Please follow the instructions for the MARMORINO VELVET. During this the trowel should be pressed almost flat on the wall (with a 25-30° angle) moving it in opposite sweeping directions to avoid making ridges. It is advisable to use a strong light source parallel to the walls when smoothing out the surface to detect imperfections you may create while moving the trowel over the surface. The wall will be finished when it appears almost shiny when viewed against the light. You will observe - especially with darker colors – that the smoothest parts appear the darkest. Remove all tape and protective material before the plaster is completely dry to avoid chipping and cracking along the taped edges. In fact, the tape can be removed right before the last phase of burnishing.

2. SILKY VENETIAN PLASTER EFFECT: Apply as Solution 1 but make the final pressure a few minutes before to find a surface soft enough that can be smoothed just like a MARMORINO VENETIAN PLASTER.

3. MOIRE' SILK EFFECT: One person applies the second layer fairly abundant but uniform over the entire surface, and another by resting the metal trowel with the flat blade against the wall, moves the trowel from top to bottom creating a design made of ridges. If the material applied is too much these will be very evident and not good, if you apply little material they will be little consistent and will not give much effect. After a time that can vary from 30 minutes to two hours depending on the ambient temperature, gently compress the surface with the metal trowel and with vertical direction. This can only be from top to bottom or alternating, one pressure from top to bottom and the next from bottom to top. Where the material is compressed by the blade we will have brilliance of pearlescent micro glitters, the rest of the surface will be opaque.

4. MOIRE' FANTASIA EFFECT: It shall be as described in paragraph 3. but with a random and not vertical (or horizontal) movement.

#### **Finish Protection (optional)**

A protective treatment is optional in most circumstances. It is however necessary in bathroom walls, kitchen, and splashback walls.

To waterproof it, you can apply our lime-based plaster waterproofing HYDROCALCE, at least 72 hours after completing the application of the finish. While applying water-based products on a dark finish, be careful to not soak the finish too much, as the salt coming from the bottom could stain the colour. This can happen during the first week after the application of the plaster, when the material is not yet carbonated deeply.

#### **Maintenance**

To clean natural finishes with no protection: The most practical way to clean this type of finish is with a white pencil rubber eraser or sandpaper (P 220-320). It is extremely easy to clean most dirty areas by simply using sandpaper and dusting off the powder residue.

#### **Tools**

SI TROWEL / BIANCO, SCRAPERS, SPONGE FLOAT VELVET  
Clean with water immediately after use



**Decorative complements**      VELATURA  
**(optional)**

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.