

TerraSilk Structured

MATTEOBRIONI

Technical data sheet

Informations	Name	TerraSilk Structured
	Description	Materic natural paint cycle based on clay and natural extracts.
	Features	↔ 0.01 / 0.05 mm
		☐ Vertical surfaces Interiors No contact with water or oil

Products used in the cycle

VP01	Description	Natural breathable paint based on clay and natural plant extracts. Natural constituents at least 97%: Water, calcium carbonate, potassium sorbate, cellulose, white clay, xanthan gum, vegetable glycerine, titanium dioxide, talc, soya oil, pine oil. Others ≤ 3%: adhesive emulsion, cosmetic grade dispersant, biodegradable antifoam, wetting agent, siccative.		
	Available containers sizes	4.0 kg VP01-0400	16.0 kg VP01-1600	20.0 kg VP01-2000
TV01	Description	Premixed powder compound comprising clay, sand, silt and cellulose		
	Available bags/sacks sizes	1.0 kg TV01-0100	10.0 kg TV01-1000	20.0 kg TV01-2000

Equipment	• Clean bucket • Electric mixer or spatula for mixing • Brush • PPE: see safety instructions
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Substrate preparation	Once prepared according to instructions TerraSilk Structured finishing can be applied on any type of substrate. The substrate must be well-seasoned, solid, clean, dry, free of dust, grease, surfacing substances and separating agents that can form a film; it must be sufficiently rough, free of moisture and salt efflorescence; this also applies to the inner layers. Old paint coats must be carefully removed or, if well adhered to the substrate, preliminarily treated with our appropriate rough bonding primer. Plasterboard substrates must be professionally finished, stable (they must not sag or vibrate) and have no residual moisture (to prevent salt transmigration); this also applies to the joints between different panels, which must be plastered and Structured by interposing netting or fabric tape; it is in any case advisable to apply our primer or specific bonding primer. On very Structured surfaces (concrete masonry, metal surfaces, etc.), it is necessary to apply our primers or fillers in advance, to be applied according to the instructions in the technical data sheet, or uniform mechanical treatments over the entire surface (diamond disk). On particularly absorbent panels (e.g. cellulose gypsum, wood fibre, etc.) the preliminary application of our primers or fillers is recommended. For the choice of primer and/or filler, please consult our technical manual or contact our office, stating the type of substrate.
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Paint preparation

For a 4 kg container of VP01:

- pour 0.4 kg of clean water into the container of VP01;
- gradually add 0.6 kg of TV01;
- mix to obtain an even mixture with no lumps and with a creamy consistency;
- leave the mix to rest for about 2-3 minutes, then mix it again adjusting the consistency with water before use;
- proceed with application.

If you want to achieve the effect of a textured brush stroke, prepare the first coat by diluting VP01 with 1.2 kg of clean water and the second coat by diluting VP01 with 0.4 kg of clean water.

Given the diverse nature of the clays, the amount of water may vary from one colour to another.

If larger or smaller quantities need to be prepared compared to those of the amounts supplied, calculate the % of components as follows:

- Consider the overall weight of VP01;
- Add 10% in weight of clean water compared to the weight of VP01.
- Add 15% in weight of TV01 compared to the weight of VP01.

If you want to achieve the effect of a textured brushstroke, calculate the % of the components as follows:

- Consider the overall weight of VP01;
- Add 15% in weight of TV01 compared to the weight of VP01 for the first and second coat
- Add 30% in weight of clean water compared to the weight of VP01 for the first coat
- Add 10% in weight of clean water compared to the weight of VP01 for the second coat.

Application

Two layers of about 0.005-0.025 mm thick are applied, for a maximum total thickness of 0.05 mm of the entire cycle.

Apply the first coat with a brush, crossing vertical and horizontal strokes and taking care to leave the joints at different heights. Apply the second coat after drying the previous one (6 - 8 hours) and repeat the application procedure.

The TerraSilk Liscio finish does not require protection.

Before proceeding, it is in any case recommended to carry out an application test (at least 1 m²) on the surface to be plastered to check the quality of adhesion to the substrate. This operation can also be used to assess the colour, which in some cases may differ slightly from expectations, due to the naturalness of the product and the substrate itself.

Consumption

- VP01: 0.30 - 0.35 kg/m²
- TV01: 0.02 - 0.04 kg/m²
- TerraSilk Structured overall consumption: 0.3 - 0.4 kg/m²

* The reported values are relevant to two layers of product

Cleaning

Clean tools with cold water after use (do not use hot water) and natural brush soap.

Application conditions

Do not apply in the presence of strong wind, in direct sunlight or with external and surface temperatures below 5°C or above 35°C. P01 is a natural oil-based product, a typical odour may be perceived during drying. This odour may persist for a variable time depending on the humidity and temperature of the environment. Drying times vary depending on the seasons, environmental and intrinsic climatic conditions of the site; the product is perfectly dry to the touch after 24 hours and complete drying takes 5-7 days.

Technical data of the products

VP01	Consistency	Liquid
	Colour	Various colours from the Matteo Brioni palette
	Density	~ 1620 kg/m ³
	pH	7 - 8
	Safety information	SDS available on request.
TV01	Consistency	Powder
	Colour	Various colours from the Matteo Brioni palette
	pH	7.0 - 7.5
	Density	~ 1500 kg/m ³
	Maximum aggregate size	≤ 0.4 mm
	Safety information	See SDS.

Application data

Water content of mix	10%	30%		
Mixture ratio				
16 kg VP01 container	1.6 kg H ₂ O	4.9 kg H ₂ O	2.4 kg TV01	
4 kg VP01 container	0.4 kg H ₂ O	1.2 kg H ₂ O	0.6 kg TV01	
Minimum application temperature	+ 5°C			
Maximum application temperature	+ 35°C			
Maximum thickness to be applied	0.025 mm			
Waiting time between layers	6 - 8 hours			
Total drying time	7 days			
* The reported values are for a T= 25°C and RH=60 %. Different temperature and relative humidity may cause a slight variation in the reported values.				

Additional information

Shelf life and Storage

If kept away from dampness, at a temperature of between 5 and 30°C, in intact, undamaged packaging, it can be stored for a period of:

- TV01: 24 months
- VP01: 12 months. The diluted product should be stored in the original container, tightly closed, not exposed directly to sunlight or heat sources and should be used within 4 days at most.

Disposal

The residues of the product and equally its components should be treated as non-harmful special waste. Disposal needs to be entrusted to an authorised waste management company, in compliance with national and possibly local regulations. Contaminated packaging must be sent for recycling or disposal in compliance with national standards on waste management.

Transport

None of the TerraSilk Structured elements can be considered dangerous pursuant to current regulations on the transport of dangerous goods via road (ADR), rail (RID), sea (IMDG Code) and air (IATA). In the event of a risk of dispersion of the product, inform the relevant authorities to avoid environmental damage

Warnings

- Product for professional use.
- Use the safety devices mentioned in the SDS.
- Keep the product away from heat, open flames, sparks and other sources of ignition.
- Ensure good ventilation in the workplace, do not use sprays unless adequately protected. In case of airborne vapours or dusts, use respiratory protection.
- At the first signs of any irregularities, contact our technical department: info@matteobrioni.com

Legal notice

The technical sheet is drafted according to our technical knowledge and laboratory checks; it should be noted that Matteo Brioni srl may make integrations and/or variations to it over time; for these updates, please consult the website www.matteobrioni.com. Matteo Brioni srl takes responsibility for the validity, viability and updated status of its information only if taken directly from its website. Being unable to intervene directly on the conditions at the worksite and the work itself, these are general indications that are in no way binding on our Company. We therefore recommend a preventive test to check that the product is suitable for its intended use. Our company guarantees the constant quality of its products: any ascertained liability will be limited to the exclusive value of our product. Our company takes no responsibility deriving from the recommended use of the product, either directly or indirectly, that is incorrect or irresponsible.

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