

## TECHNICAL DATA SHEET

### ----- **Décor Division** -----

#### *Travertino Romano*

#### **sez. 1.0 Technical characteristic**

TRAVERTINO ROMANO by OIKOS is a special decorative coating, for interiors and exteriors. The product, which is ready to use, is based on sand, selected marble powders and matured lime putty and presents itself as a homogeneous paste that is easy to apply and through the correct technique, allows the realisation of a stone effect that highlights the veins and texture of natural stone. One of the main characteristics of the product is that of bonding with the surface in such a way as to create a single body. TRAVERTINO ROMANO prevents the development of mould, algae and bacteria. It has a low odour level, is non inflammable and is friendly to both humans and the environment.

#### **sez. 2.0 Ideal Use**

Exteriors and indoor surfaces

#### **sez. 3.0 Surface preparation**

Surfaces must be thoroughly dry and mature. New plasters should have matured for at least 30 days to allow for the complete carbonation of the plaster. Clean the surface to be coated, removing any loose or crumbling material. For old or powdering surfaces, it is advisable to apply one coat of the fixative NEOKRYLL by OIKOS. On all other types of surface, apply one coat of the fixative BLANKOR by OIKOS in order to render surface absorption homogeneous.

#### **sez. 4.0 Application method**

Spread TRAVERTINO ROMANO over the surface using an inox steel trowel by OIKOS (art. 113 by OIKOS), leaving a thickness of approximately 1,5 ÷ 2,0 mm. Following this immediately proceed to work TRAVERTINO ROMANO by dabbing the surface, using the indicated tool (art. 133 by OIKOS), in order to create the irregular veins of Travertine stone. On the remaining areas, dimple the surface in an irregular fashion using the same tool. Once the product has started to dry, proceed to smooth over the surface for the first time, using an inox steel trowel, compacting the most evidently dimpled patches. When the surface of the product is nearly completely dry, repeat the smoothing over of the surface using greater pressure until the surface is smooth in large areas with dimpled veins running across it that imitate the veins of Travertine stone. To reproduce the joints between the various blocks, once the surface has been smoothed over and compacted, score into the surface of TRAVERTINO ROMANO, using the corner of the Small spatula for Raffaello by OIKOS art. 111 (or a screwdriver) thus obtaining a block design of the desired dimensions. To obtain a straight line, use a wooden plank as a guide. Leave the product to dry for at least 24 hours before proceeding with the application of the finish.

#### **sez. 5.0 Finish**

TRAVERTINO ROMANO natural: to protect and maintain the natural effect of TRAVERTINO ROMANO, apply by brush, one coat of un coloured TRAVERTINO ROMANO FINITURA ready for use. TRAVERTINO ROMANO with a coloured finish: apply by brush, one coat of un coloured TRAVERTINO ROMANO FINITURA ready to use, taking care to apply the product only over the smooth areas of the surface and avoiding that it penetrates into the dimpled areas that recreate the veins of Travertine. Wait until the first coat of the finish is dry and then proceed with the application of the second coat of TRAVERTINO ROMANO FINITURA in the chosen colour, diluted 50% with drinkable water. Eliminate any excess product using a sponge to obtain a light - dark effect, caused by the differences in absorption between the smooth areas of the surface and the dimpled areas that recreate the veins of Travertine. Toner for Finitura: to obtain the desired shade from the colour chart, mix 100 ml of TONER with 1 litre of TRAVERTINO ROMANO FINITURA and mix thoroughly. -TRAVERTINO ROMANO Coloured (Black, Red, Beige, Grey, Yellow only for interiors) does not require further finish coats

**sez. 6.0 Technical Characteristic: application**

Dilution/Mixing	ready to use
Yield	2 kg/m <sup>2</sup>
Application tools	inox steel trowel, art. 113, art. 133 and art. 111 by OIKOS
Base coat	NEOKRYLL, BLANKOR by OIKOS.
pROTECTION	TRAVERTINO ROMANO by OIKOS
Application temperature	+10°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time: touch dry	2 ÷ 4 h (temperature = 20°C with relative humidity at 75%)
Drying time until washable	30 days (temperature = 20°C with relative humidity at 75%)
Drying time: fully cured	20 ÷ 25 days (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over	24 h (temperature = 20° with relative humidity at 75%)
Tools cleaning	Water
Warning	Protect the surface from the rain for the first 48÷ 72 hours after application. In the event that the product appears to be too liquid, a special thickening agent s available that can be added to the product prior to mixing.

**sez. 7.0 Technical Characteristic: the product**

Composition	sand, selected marble powders and matured lime putty
Specific weight	1,65 kg/l +/- 3%
Granulometry	MAX= 0.8mm
pH	12.5 ÷ 13.5
Viscosity	Pasty
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Permeability to water vapour Sd	(UNI EN ISO 7783-2): high, Sd=0.010 m, μ=3.28
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/1; VOC: 8 g/l (max); Limit Phase I (from 01/01/2007): 300g/lt, Limit Phase II (from 01/01/ 2010): 200g/lt
Colours	white + 5 colours ready for use (only for interiors)
Packaging	Kg 5 –20
Texture	Travertino
Warning	-Avoid prolonged contact with the skin: if necessary, wash thoroughly with soap and water. If the irritation persists, consult a doctor. - Avoid contact with the eyes, in case of accidental contact, wash thoroughly with a sugar-water solution. If the irritation persists, consult a doctor.

**sez 8.0 Toxicological Data**

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. Read carefully the safety data sheet: the product is labelled Xi, R41 irritant. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements

**sez. 9.0 Specifications**

The surface must be dry and mature, new plasters should have been left maturing at least 30 days to allow a complete carbonation. Clean the surface to be coated, removing any loose or crumbling material. For old or powdering surfaces, it is advisable to apply one coat of the fixative NEOKRYLL by OIKOS. On all other types of

surface, apply one coat of the fixative BLANKOR by OIKOS in order to render surface absorption homogeneous. Spread TRAVERTINO ROMANO over the surface using an inox steel trowel by OIKOS and apply the product according to the desire effect. Apply TRAVERTINO ROMANO FINITURA to decorate and protect the surface...All must be carried out in accordance with the norms of application, at a cost of ..... mq.. inclusive of materials and labour, except scaffolding.

**Note**

*The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct.*

*Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.*