

## TECHNICAL DATA SHEET

### ----- **Décor Division** -----

#### Kreos

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

KREOS by OIKOS is an interior decorative plaster based on acrylic resins in water dispersion and selected fillers. Thanks to its composition the product remains soft to touch and easy to work with. It is able to produce classic decorations or modern designs using the architect's fantasy and the ability of the decorator with the right tool: a scratch pad, a tool for cor du roy effect, a steel trowel, a plastic trowel, a marine sponge, a bristle pad and a brush, to allow a whole series of effects in various colours and styles, adapting the decoration to perfectly suit the setting to be decorated. KREOS is abrasion resistant, vapour permeable, has a low odour level, is non inflammable and is friendly to both humans and the environment.

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

Wall decoration and interior design.

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

Clean the surface to be coated, removing any loose or crumbling parts. In the case of old or powdering surfaces it is advised to apply a coat of sealer such as NEOFIX or CRILUX by OIKOS. In the case of rough or uneven surfaces it is advised to first screed surfaces using PASTE SCREED FOR WALLS by OIKOS. Apply then a coat of the primer IL PRIMER by OIKOS.

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

Evenly apply Kreos onto the wall using a medium hair roller. Before the product dries, proceed to work the product using the necessary tools for the desired effect (see specific instructions for the effects: fil posè, chine, drapé. Lame, cor du roy, broccato, pettinato, goffrato).

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

KREOS is itself a decorative finish. It can however also be further enhanced by the application of other decorative products on top to give different finishes and effects. In this case once dry, proceed with the decoration of the surface using the products indicated: Veldecor, Pallas, Multidecor and Ultrasaten by OIKOS. It is also possible to achieve a rustic style finish with an special Antique application technique.

#### **sez. 6.0 Technical Characteristic: application**

Dilution/Mixing	Ready to use, max 5% drinkable water.
Yield	3 ÷ 4 m <sup>2</sup> /l depending on the surface and the effect desired.
Application tools	TOOL FOR COR-DU-ROY, TAMPON, PLASTIC TROWEL, SPATULA, BRISTLE PAD, BRUSH, MARINE SPONGE, INOX STEEL TROWEL by OIKOS.
Primer	CRILUX, NEOFIX by OIKOS
Base coat	IL PRIMER by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time: touch dry	2 h (temperature = 20°C with relative humidity at 75%)
Drying time: fully cured	7 days (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

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

Composition	Special acrylic resins in water dispersion, organic and inorganic pigments, titanium dioxide, and selected fillers
Specific weight	1,17 kg/l +/-3%
PH	pH: 8 ÷ 9
Viscosity	18.000 ÷ 23.000 CPS Brookfield (RVT 20 revs/min. a 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Fire reaction	Negative when applied on a non inflammable surface, water based material with dry thickness of less than 0,600 mm
Vapour permeability (Sd)	0,22 m (max allowed limit 2 m, DIN 52 615)
Resistance to washing	Resistance to washing: conforms to the norm DIN 53 778, resists to more than 1.000 abrasive cycles.
Resistance to abrasion	Resistance to abrasion: conforms to the norm DIN 53 778, resistance to more than 5.000 abrasive cycles.
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/1; VOC: 41g/l (max); Limit Phase I (from 01/01/2007): 300g/lt, Limit Phase II (from 01/01/ 2010): 200g/lt
Available colours	White and shades from the colour chart.
Packaging	11 – 5 – 15

**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. The product is considered to be a non dangerous substance if used in the technically correct manner. 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**

Clean the surface to be decorated, removing any loose material. Proceed to apply a coat of the primer II PRIMER by OIKOS. Once dry, apply a decorative interior plaster such as KREOS by OIKOS, using the tool required for the chosen effect. All must be carried out in accordance with the norms of application, at a cost of ..... m<sup>2</sup>. inclusive of materials and labour.

**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.*