

## TECHNICAL DATA SHEET

### KREOS

#### Technical Qualities

KREOS: the original acrylic ecological paint for interiors since 2001. Thanks to its composition, the product offers a good level of filling, remains soft to the touch and easily workable. With the right tool, it can be used to produce classic decorations or modern designs at the whim of the designer and the ability of the decorator. A hawk board or tool to create a corduroy effect, for example, renders possible a whole host of effects in various colours and styles, adapting the decoration to perfectly suit the environment being decorated. KREOS is vapour-permeable and abrasion-resistant.

Product certified in class "A+" under emissions classifications (Decree of the Official French Gazette dated 19th April 2011).

#### Ideal Use

Decoration of interior walls and furnishings.

#### Surface Preparation

Clean the surface to be coated, removing any loose or flaking parts. When dealing with old or crumbly surfaces, it is advised to apply a coat of sealer such as OIKOS' NEOFIX or CRILUX, given that working on smooth, screeded surfaces is advised. The product's filling power also permits positive results even on fine residential plasters or on previously painted walls on condition that the surface is homogenous and not too uneven, thus preventing the expense of additional screeding.

#### Application Method

Kreos

Apply KREOS diluted 10-15% with drinkable water by brush in crossed and irregular strokes. When dry apply a second coat of product in the same way. Yield 4-5 m<sup>2</sup>/l

For all other finishes, apply a first coat to the surface of KREOS diluted 10-15% with potable water using a brush so as to achieve a uniform, homogenous base.

#### Fil Posè

Apply a second generous coat of undiluted KREOS in the direction chosen for the decoration. Immediately proceed with working the product in the chosen direction (vertical or horizontal) with the special Tampone Mille Righe tool (Article 133, Tool for Corduroy effect). To achieve the desired finish, drag the tool across the wall using small strokes without hesitation and in parallel lines. Pass the tool over the wet surface several times so as to eliminate any join marks. Yield 1-2 m<sup>2</sup>/l

#### Juta

Apply a second generous coat of undiluted KREOS in the direction chosen for the decoration. Immediately proceed with working the product in the chosen direction (vertical or horizontal) with the special Tampone Mille Righe tool (Article 133, Tool for Corduroy effect). To achieve the desired finish, drag the tool across the wall using small strokes without hesitation and in parallel lines. Pass the tool over the wet surface several times so as to eliminate any join marks.

Once dry, repeat the operation in the opposite direction for application. Yield 1-2 m<sup>2</sup>/l

**Ardesia**

Apply a second generous coat of undiluted KREOS in the direction chosen for the decoration. Immediately proceed with working the product in the chosen direction (vertical or horizontal) with the special tool\*\*\* created by joining the 3 pads Tamponi (item 102), creating parallel straight lines, keeping the pad clean so as to achieve a homogenous texture. Wait approximately 10-15 minutes to allow the product to partially dry, then flatten the roughened surface by applying slight pressure with the flat side of the stainless steel trowel, following the direction of the lines. Yield 1-2 m<sup>2</sup>/l

**Motus**

Apply a second generous coat of undiluted KREOS in the direction chosen for the decoration. Immediately proceed with working the product in the chosen direction (vertical or horizontal) with the special tool\*\*\* created by joining the 3 pads Tamponi (item 102), creating undulating lines, keeping the pad clean so as to achieve a homogenous texture. Yield 1-2 m<sup>2</sup>/l

\*\*\* Creating the tool: place the 3 sheets contained in the Tamponi package (Article 102) on the palm of your hand, slightly rotated so as to create a 12-point star. Press a finger on your other hand into the middle of the sheet then cup the hand so as to form a pad in the shape of a cone or flower. Wrap plastic adhesive tape around it so as to secure it. Pads that have used prior and become more rigid make application easier.

**Finishes and Protections**

KREOS, as a decorative finish, can also be utilised to achieve surprising finishes and effects with the application of additional decorative products atop. To this end, once dry, proceed with decorating the surface using the suitable OIKOS products: PALLAS, MULTIDECOR, OTTOCENTO, DUCA DI VENEZIA, IMPERIUM and ULTRASATEN.

To protect KREOS from wear and ageing, apply the special transparent, protective WATINS LUX or IGROLUX paint by Oikos. Protection is especially recommended for dark shades.

To obtain a sparkling finish, it is possible to mix Oikos' Decorglitter additive into the product.

**Technical Characteristics: Application**

|                          |   |
|--------------------------|---|
| Dilution:                | First coat: 10-15% with potable water; second coat: ready to use                  |
| Indicative yield:        | Depending on the surface and the desired effect.                                  |
| Application tools:       | CORDUROY TOOL (Article 133), TAMPONI (Article 102), STAINLESS STEEL TROWEL, BRUSH |
| Primers and sealers:     | CRILUX, NEOFIX by Oikos   |
| Application temperature: | +5° C - +36° C (with relative humidity not exceeding 80%)                         |
| Time until touch dry:    | 2 hours (temperature = 20° C with 75% relative humidity)                          |
| Total drying time:       | 7 days (temperature = 20° C with 75% relative humidity)                           |
| Tools cleaning:          | Water   |

**Technical Characteristics: Product**

|                                  |  |
|----------------------------------|--|
| Composition:                     | Special acrylic resins in in water dispersion, organic and inorganic pigments, titanium dioxide and selected fillers |
| Specific weight:                 | 1.17 kg/l +/-3%  |
| pH:                              | 8 - 9  |
| Viscosity:                       | 18,000 – 23,000 Brookfield CPS (RVT 20 turns/min. at 25° C)  |
| Storage temperature:             | +2° C - +36° C – prevent from freezing   |
| Permeability to water vapour Sd: | 0.22 m (max. limit permitted 2 m, DIN 52 615)  |
| Reaction to fire:                | Euroclass B-s1,d0 (EN 13501-1:2019)  |
| Resistance to washing:           | conforms to the DIN 53 778 standard, resistant to over 1,000 abrasive  |

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|  |   |
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|  | cycles  |
| Resistance to abrasion:  | conforms to the DIN 53 778 standard, resistant to over 5,000 abrasive cycles                    |
| Compounds emission limits (VOC) According to directive 2004/42/CE: | Category to which it belongs A/I; VOC: 41 g/l (max);<br>Phase II limits (from 1.1.2010): 200g/l |
| Emissions classification:  | A+ (Decree of the Official French Gazette dated 19th April 2011).                               |
| Colours:   | White and shades on the colour chart  |
| Packaging:   | 1, 4 and 10 litres  |

## Safety information

The product is free from 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 as being a non-hazardous substance if used in the technically correct manner. Normal cautionary measures for handling water-based paints are advised. No special requirements are necessary for storage, handling and transportation of the product; the containers, residues, eventual spillages of the material should be cleaned up using absorbent inert material such as sand or soil and then disposed of in accordance with the current regional and national regulations in force. Transportation must be carried out in accordance with international agreements.

## Specifications

Clean the surface to be coated, removing any loose or flaking parts. When dealing with old or crumbly surfaces, it is advised to apply a coat of sealer such as OIKOS' NEOFIX or CRILUX. Proceed with achieving the decorative effect ..... by applying an acrylic ecological paint for interior use such as KREOS by OIKOS, using the appropriate tool for the desired effect. All is to be effected in accordance with the applicative regulations, at a cost of ..... m<sup>2</sup>, inclusive of materials and labour.

## Advice for use and conservation

To dilute, only use potable water. The undiluted product can be conserved in clean, sealed and adequately-sized containers, to be protected from freezing or excessive temperatures. Amongst the various product types, the perception of white (or any other colour) may appear different to the human eye. This is important to understand when wishing to apply 2 different products of the same colour on the same wall. It is not advisable to use different batches of the same coloured product on the same wall.

## Notes

The company Oikos Spa guarantees that the information contained in this technical data sheet is correct, to the best of its technical and scientific knowledge. Notwithstanding the foregoing, Oikos assumes no responsibility for the results obtained through the use of its product in that the means of application are beyond the scope of its control and/or verification. As such, we recommend checking that each product is suited to the specific case.