

# TECHNICAL DATA SHEET

## MULTIDECOR

### Technical Qualities

MULTIDECOR by OIKOS offers the possibility to decorate in a classical style or according to the more modern, vivid interior decorations of today. A trowel, a cloth, a buffer pad, a spray gun, a brush, a roller, a marine sponge, the imagination of a designer and the versatility of this product allow the expert hand of the applicator to create a unique, personalised, decorative effect that can be adapted to suit the environment to be decorated. The composition of MULTIDECOR by OIKOS, based on acrylic resins in water dispersion and special metallic and pearly components make the highly flexible in terms of the variety of decorative effects that can be achieved. MULTIDECOR is available in three versions: E(gloss), E OPAC (mat) and ES (iridescent). The product is washable. It conforms to the norm D.I.N 53 778 S-SM, has a low odour level, is non inflammable is friendly to both humans and the environment.

### Ideal Use

Wall decoration, interior design, laminated surfaces, PVC, metal, wood.

### Surface Preparation

Before applying and working with MULTIDECOR by OIKOS it is necessary to carry out the correct preparation of the surface according to the type of substrate.

**Civil and gypsum plasters:** smooth over the surface and seal over any marks caused by smoke, fat or glue applying, by roller or brush, the fixative CRILUX or NEOFIX by OIKOS.

**Wood:** even over the surface using a filler, sand down and then coat in FUNDGRAP by OIKOS.

**Plastic laminates, aluminium and non porous surfaces:** remove any grease and sand down the surface. Following this apply the primer FUNDGRAP by OIKOS.

**Iron:** apply a good antirust coating such as NOVALIS ANTIRUGGINE by OIKOS, follow this by applying the primer FUNDGRAP by OIKOS

### Application method

After having prepared the substrate, apply two coats of the MULTIFUND by OIKOS or ULTRASATEN by OIKOS, in the chosen colour shade, in order to obtain a non absorbent surface ideal for the working of MULTIDECOR. On drying, after approximately 4 ÷ 6 hours, proceed with the application of the finish coat of MULTIDECOR by OIKOS:

- Pennellato finish (Brush): apply by brush Pennello Oikos (art. A02) Multidecor diluted 10% with drinkable water, proceed to spread a thin coat crossing over the brush strokes in order to obtain an even distribution over the whole surface. After that, immediately pass over the same part of the surface with the Brush empty, in order to evenly distribute the product over the surface. After drying apply a second coat to make stronger the decorative effect. Yield 15-20 m<sup>2</sup>/l one coat.
- Tampone finish (Bristle pad): apply by Spanish brush Multidecor diluted 10% with drinkable water, create circles over the whole surface by twisting the Bristle Pad by OIKOS (Art. 135). The circles created should fill the whole surface. Apply the product over a square metre at a time. We recommend that a frame of 5 cm around the decorated area should be left in order to use the tools on the corners. Yield 5-7 m<sup>2</sup>/l one coat.

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- Spatola Dentata finish (Toothed trowel): Apply by Spanish brush Multidecor diluted 5% with drinkable water, create small arcs. Before drying, immediately work over the product using the indicated Toothed trowel by OIKOS (art. A01), , crossing small arcs. The arcs created should fill the whole surface. Remove any excess product that may have accumulated on the trowel. Yield 5-6 m<sup>2</sup>/l one coat.
- Rullo in tessuto finish (Cloth Roller): Apply with short hair roller (Special Roller by Oikos art. 110 ) a even of Multidecor diluted 10%, before drying, proceed to pass over the products more times using the indicated Cloth Roller (Art. 117) from bottom to top. Put the roller on a pole to create an even effect over the whole surface. We recommend that a frame of 5 cm around the decorated area should be left in order to use the tools on the corners. We recommend to use light colours in order to hide from view joints. Yield 5-7 m<sup>2</sup>/l one coat.
- Pennellessa finish (Spanish brush): Apply the first coat of Multidecor diluted by 10-15%, in the chosen direction (horizontal, vertical or diagonal), using the Spanish brush. immediately pass over the same part of the surface with the Brush empty, in order to evenly distribute the product over the surface. Wait until dry before applying a second coat of the product in the same way as before. Yield 5-7 m<sup>2</sup>/l one coat.
- Guanto in spugna finish (Sponge Glove): Apply by Spanish brush Multidecor diluted 5% with drinkable water, immediately and immediately dab the surface using the indicated Guanto Imperium (Art 115) in order to evenly distribute the product over the surface. Yield 8-10m<sup>2</sup>/l one coat.
- Spugna Marina finish (Natural Sponge): Wet the flat part of the Natural sponge by Oikos (Art.108) with undiluted Multidecor, liminate any exceeds product on a plank, then dab the surface. It is possible using one more colour applying a second coat in the same way as before. Yield 8-10m<sup>2</sup>/l one coat.

**Finish**

To achieve a bright finish with brilliant reflections, it is possible to mix the additive Decorglitter by Oikos. To protect better MULTIDECOR from wear and aging, apply the special transparent, protective varnish WATINS LUX or IGROLUX by OIKOS.

**Technical Characteristics: Application**

Dilution:	Ready to use, or to be diluted according to the type of work.
Yield:	5 ÷ 20 m <sup>2</sup> / litre depending on the type of work.
Tools:	Pennellato finish: Brush by Oikos (Art. A02) Tampone finish: Bristle pad (Art. 135) Spatola Dentata t finish: Toothed trowel(Art. A01) Rullo in tessuto finish: Cloth Roller (Art. 117), Special Roller by Oikos (Art. 110) Pennellessa finish: Spanish brush Guanto in spugna finish: Sponge Glove (Art.115) Spugna Marina finish: Natural Sponge (Art.108)
Fixative Primers:	CRILUX, NEOFIX, FUNDGRAP or NOVALIS ANTIRUGGINE by OIKOS.
Base coats:	ULTRASATEN by OIKOS
Protections:	WATINS LUX or IGROLUX by OIKOS
Application temperature:	+05° C to +36° C (relative humidity not exceeding 80%)
Tack free time:	1 hour (temperature = 20° C with relative humidity at 75%)
Total drying time:	7 days (temperature = 20° C with relative humidity at 75%)
Tool cleaning products:	Water

**Technical Features: the product**

Composition: acrylic resins in water dispersion, organic and inorganic special pearlescent, metal and iridescent components.

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Unit Weight:	1.03 kg / l + / - 3%
pH:	8.5 - 9.5
Viscosity:	12,000 - 16,000 CPS Brookfield (RVT 20 revs / min. 25 ° C)
Storing temperature:	+2 ° C to +36 ° C. Keep from freezing
Fire reaction:	negative if the product is applied to non-flammable surfaces; water-based material with less than a 0.600 mm thickness
Water vapour permeability Sd:	0.9 m (max allowed limit 2 m DIN 52 615)
Washing resistance:	Conforms to the DIN 53 778 standard, resistant to more than 1,000 abrasive cycles.
Abrasion resistance:	Conforms to the DIN 53 778 standard, resistant to more than 5,000 abrasive cycles.
Cleaning effect:	Conforms to the DIN 53 778 standard, paint free from dirt with less than 800 abrasive cycles.
Emission limits of Volatile Organic Compounds (VOC) according to Directive 2004/42/EC:	Classification: A / I VOC: 40 g / litre (maximum) limit Phase I (from 1.1.2007): 300 g / litre, Phase II Limit (From 1.1.2010): 200 g / l
Colours:	Available in E, E matt, ES as on the colour chart
Packaging:	1 - 4 - 5 to 15 litres

**Toxicological data**

The product is free from heavy metals such as chromium or lead. It contains no toxic solvents, aromatics or chlorides. Hazardous polymerisation does not occur. The product is a non-toxic substance if used technically correctly. We suggest normal precautionary measures for the handling of water-based paints. No special arrangements are required for storage and movement; containers, debris and spills, should be cleaned up using absorbent inert material such as sand, earth, etc., and must be disposed of in accordance with national or regional standards. The transport of these goods must be in compliance with international agreements.

**Product specifications**

Thoroughly clean the surface, removing any loose or flaking material. Apply an insulation or CRILUX NEOFIX by OIKOS and wait until dry. Apply two coats of acrylic primer, such as ULTRASATEN by OIKOS, matt, so as to obtain a suitable surface for the finishing product, MULTIDECOR by OIKOS, in accordance with DIN 53 778. Apply the chosen finish using the tools recommended to obtain the desired effect. Everything must be carried out in accordance with the rules for the application at a cost of .....per m<sup>2</sup> including materials and workmanship.

**Notes**

Oikos srl guarantees that the information contained in this data sheet is to the best of their technical and scientific knowledge. Notwithstanding the above, Oikos will assume no responsibility for any results obtained through the use of their product, as the methods of application are beyond their control and/or powers of inspection. Therefore, we recommend that you check the suitability of the products in each specific case.