

TECHNICAL DATA SHEET

----- Décor Division -----

Multidecor

sez. 1.0 Technical characteristic

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 (irridescant). 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.

sez. 2.0 Ideal Use

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

sez. 3.0 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 .

sez. 4.0 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: Spatolato, Alonato, Tamponato, Nuvolato, Pennellato, Spugnato, Guantato, Gocciolato, Legnato Moirè

sez. 5.0 Finish

To protect better MULTIDECOR from wear and aging, apply the special transparent, protective varnish WATINS LUX or IGROLUX by OIKOS.

sez. 6.0 Technical Characteristic: application

Dilution/Mixing	ready to use, or to be diluted according to the method used in application
Yield	5 ÷ 8 m ² /l depending on the method used in application
Application tools	Spatolato: Spatula by OIKOS Alonato: Stainless steel trowel by OIKOS Tamponato: Tampone (Buffer pad), Tampone 17 x 17 cm, Roller tamponato by OIKOS Nuvolato: Synthetic sponge. Pennellato: Brush Spugnato: Natural marine sponge by OIKOS. Guantato: Glove by OIKOS Gocciolato: Spray gun by OIKOS Legnato-Moirè: Wood effect tool by OIKOS

Fixatives	CRILUX, NEOFIX, FUNDGRAP or NOVALIS ANTIRUGGINE by OIKOS
Base Coats	MULTIFUND or ULTRASATEN by OIKOS
Protection	WATINS LUX or IGROLUX by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time: touch dry	1 hour (temperature = +20°C with relative humidity not exceeding 75%)
Drying time: fully cured	7 days (temperature = +20°C with relative humidity not exceeding 75%)
Tools cleaning	Water

sez. 7.0 Technical Characteristic: the product

Composition	acrylic resins in water dispersion, organic and inorganic pigments and special pearly, metallic, multicolour components
Specific weight	1,03 kg/l +/-3%
pH	8,5 ÷ 9,5
Viscosity	12.000 ÷ 16.000 CPS Brookfield (RVT 20 revs/min. a 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Fire reaction	negative if the product is applied onto a non-inflammable surface: water based material with dry thickness of less than 0.600 mm
Water vapour permeability sd	0,9 m (max allowed limit 2 m, DIN 52 615)
Washed resistance	conforms to the norm DIN 53778, resistance to at least 1000 abrasive cycles
Abrasion resistance	conforms to the norm DIN 53 778 resistance to more than 5000 abrasive cycles
Cleanness effect	conforms to the norm DIN 53 778: paint coat free from dirt with less than 800 abrasive cycles
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/k; VOC: 40g/l (max); Limit Phase I (from 01/01/2007): 300g/lt, Limit Phase II (from 01/01/ 2010): 200g/lt
Colours:	available in finish: E, E opac, and ES of the colour chart
Packaging	litres 1 – 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

Thoroughly clean the surface, removing any loose material. Apply a consolidating primer such as CRILUX or NEOFIX by OIKOS and wait until dry. Apply two coats of an acrylic base coat such as MULTIFUND by OIKOS or ULTRASATEN by OIKOS, in this way obtaining a surface which is perfectly suited for the application of a finishing product such as MULTIDECOR by OIKOS that conforms to the norm D.I.N 53 778 S SM. Carry out the desired method of application using the recommended tools. All must be carried out in accordance with the norms of application, at a cost of m2. 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.