TECHNICAL DATA SHEET

---------- PAINT DIVISION ----------

Igrolux

sez. 1.0 Technical characteristic

IGROLUX by OIKOS is a special, low environmental impact, transparent, protective glaze which hardens once in contact with air. It is ideal for interior surfaces that are subject to abrasion It is available in gloss and satin finishes and conforms to the norms D.I.N 53 754, D.I.N 54 004, D.I.N 52 615, D.I.N ISO 4626 and D.I.N 53 151. It is odourless, non toxic, nonflammable and environmentally friendly.

sez. 2.0 Ideal Use

As a protective glaze for interior, decorative products and surfaces in general.

sez. 3.0 Surface preparation

Thoroughly clean the surface to be varnished and, if possible, rub down using very fine sand paper.

sez. 4.0 Application method

Using a roller or brush, apply two coats of IGROLUX by OIKOS undiluted, leaving approximately six hours between coats. It is also possible to apply the product by spray gun (nozzle 1.3 ÷ 1.7 mm) after having diluted it with maximum 10% drinkable water. It is recommended to rub down the surface with very fine sandpaper between coats. In case of walls that are subject to continual abrasion, it is recommended to apply a third coat of the product.

sez. 6.0 Technical Characteristic: the application

Dilution	brush or roller: ready to use, spray gun: diluted with maximum 10% drinkable water
Yield	12 ÷ 14 m2/l
Application tools	brush, roller or spray gun (nozzle 1.3 1.7 mm)
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Tack free time	30' ÷ 1 hour (temperature = 20°C with relative humidity around 75%)
Time until fully cured	3 days (temperature = 20°C with relative humidity around 75%)
Tools cleaning	water

sez. 7.0 Technical Characteristic: the product

Composition	acrylic resins in water dispersion combined with polyurethanic, aliphatic resins and various additives.
Specific weight:	1.kg/l ± 3%
PH	7.5 ÷ 9.5
Viscosity	200 CPS Brookfield (RVT 20 revs/min. a 25°C) for the satin finish, low for the gloss finish
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Fire reaction	negative if the product is applied onto a non-flammable surface: water based material with thickness when dry of less than 0.600 mm

Abrasion resistance	conforms to the norm DIN 53 754: average abrasion value equivalent to 44.5 mg/500 revs
Light purity test	conforms to the norm DIN 54 004: grade 7 of light purity
Test of adhesion on base surface (with reticule):	conforms to the norm DIN 53 151: values GT 2A, GT 2T, indicating a good relationship between cohesion and adhesion of the varnish
Tear test for adhesion	conforms to the norm DIN ISO 4624; tear resistance 1.45 N/mm2
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/e; VOC:45g/l (max); Limit Phase I (from 01/01/2007): 150g/lt, Limit Phase II (from 01/01/ 2010): 130g/lt
Colours	transparent, gloss or satin
Packaging	0,75 – 2,5 litres

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

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.