

# TECHNICAL DATA SHEET

## TDL

### *Igrolux*

sez. 1.0 Technical characteristic

IGROLUX by OIKOS is a special, transparent, water based, protective glaze which hardens once in contact with air. It is ideal for surfaces that are subject to abrasion in indoor ambient. 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 decorative products and surfaces in interiors.

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

<b>Dilution</b>	brush or roller: ready to use, spray gun: diluted with maximum 10% drinkable water
<b>Yield</b>	12 ÷ 14 m <sup>2</sup> /l
<b>Application tools</b>	brush, roller or spray gun (nozzle 1.3 1.7 mm)
<b>Application temperature</b>	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
<b>Tack free time</b>	30' ÷ 1 hour (temperature = 20°C with relative humidity around 75%)
<b>Drying time for painting over</b>	6 ÷ 8 hours (temperature = 20°C with relative humidity at 75%) depending on the surface
<b>Time until fully cured</b>	: 3 days (temperature = 20°C with relative humidity around 75%)
<b>Tools cleaning</b>	water

sez. 7.0 Technical Characteristic: the product

<b>Composition</b>	acrylic resins in water dispersion combined with polyurethanic, aliphatic resins and various additives.
<b>Specific weight:</b>	1.kg/l ± 3%
<b>PH</b>	7.5 ÷ 9.5
<b>Viscosity</b>	200 CPS Brookfield (RVT 20 revs/min. a 25°C) for the satin finish, low for the gloss finish
<b>Storage temperature</b>	+2°C ÷ +36°C. Keep from freezing
<b>Fire reaction</b>	negative if the product is applied onto a non-flammable surface: water based material with thickness when dry of less than 0.600 mm
<b>Abrasion resistance</b>	conforms to the norm DIN 53 754: average abrasion value equivalent to 44.5 mg/500 revs
<b>Light purity test</b>	conforms to the norm DIN 54 004: grade 7 of light purity
<b>Test of adhesion on base surface (with reticule):</b>	conforms to the norm DIN 53 151: values GT 2A, GT 2T, indicating a good relationship between cohesion and adhesion of the varnish
<b>Tear test for adhesion</b>	conforms to the norm DIN ISO 4624; tear resistance 1.45 N/mm <sup>2</sup>
<b>Colours</b>	transparent, gloss or satin

## Technical Data Sheet TDL/ix/01

<b>Packaging</b>	0.75 – 2.5 litres
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### sez. 8.0 **Toxicological data**

The product is free of any harmful substances, pigments or other components containing heavy metals such as lead or chrome. Further to this, the product contains no toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is non combustible and is held to be a non-toxic 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, any spillage should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of as any normal waste product. The transportation must be carried out in conformity with international agreements