

Product's description

Double-component, fireproof, polyurethane finish varnish.

Poliflat IGF, has got excellent features of uninflammability, chemical, mechanical strength, making it resistant against trampling, abrasion, water, alcohol, cleansing compounds, fuel, mineral and vegetable oils.

Practical advice

Suitable for painting MDF panels, and material used for pavings, walls, roofs, footboards, stairs, and stands, etc requiring a fireproof coating and the substrate combustion process blocking.

Technical features

Aspect	Flat – glazed
Color	Transparent
Density Kg/Lt	1 ± 0,05
Viscosity 25°C	100 sec. ford 4
Solid content by volume %	50 ± 2 %
Theoretical spreading rate Sq.m/l – gr/m ²	6,7 Sq.m./l – 0,150 g/Sq.m. per coat
Typical thickness humid/dry micron	150 humid / 75 dry
Mixing ratio Base/Hardener	Base 100 Hardener 50
Pot Life	3 hours at 20 °C
Thinner	DPL 330 polyurethane thinner
Painting method	Brush Roller Spray Airless Spray
	2 – 5% thinning 5 – 8% thinning 10 - 20 % thinning Nozzle's diameter 1,3 - 1,5 mm Pressure 3 - 4 kg/Sq.m. (atm) 3 - 7 % thinning Nozzle's diameter 0,25 – 0,3 mm Compression Ratio 30:1 Exit Pressure 120 – 150 kg/Sq.m. (atm)
Drying times 25°C	Untouched : Dry to the touch : Absolutely dry :
	2 hours 6 hours 24 hours
Heat resistance	100 °C outdoors
Min./ Max. over-coating times	2 - 3 hours / 72 hours
Flash point	28 °C
Shelf life	24 months for the base – 6 months for the hardener
Standard package	L. 5, L. 20

Notes

Warning: mix base and hardener in the proper ratio 2:1 and only afterwards, add the thinner needed for application.

Linea : Industry

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Poliflat IGF

Application instructions

Preparation of wooden surfaces.

Sandblast and remove dust. In case of resinous woods, wash with a nitro thinner. Apply a first, more thinned coat as impregnating primer. After drying, apply at least two or three coats of **Poliflat**.

To fireproof the surfaces, apply the humid product in a quantity above 450 g/Sm.q. (150 g/Sq.m. per coat).

The product polymerises completely after 72 hrs. from last coat application. Therefore, it is necessary to wait before putting into service the treated surfaces.

Clean the above-mentioned substrates, with a cloth or with a soft bristle brush, so that the coating won't be scratched. Check the base's and hardener's expiry date.

It is recommended for

Light and heavy industrial, marine, urban, country environments; contact with alcoholic, ammoniac solutions, fuels, mineral, vegetable, mineral oils, thinned acid and alkaline solutions.

It is not recommended for

Constant immersion in sea and fresh water; contact with thinners, acid and alkaline solutions.

Recommended primers and intermediates

It can be applied even over cleaned and sanded old polyurethane varnishes.

Safety precautions

The liquid-state product is inflammable, because of the thinner contained in it. Safety labelling required.

Professional product. For any further information, see the technical data.

Tender Item

Application of **Poliflat IGF**, unflammable, fireproof coating, composed by polyester resins and isocyanates, having high mechanical and chemical strength, to be applied over wooden surfaces, with a consumption of 0,450 kg/Sq.m., excluded practical operating loss.

(*) These information, even if reliable, are absolutely approximate. The company owns the right to change them without any notice. Moreover, it is not responsible for the use of the present information. The user must previously test the product's suitability, before using it. For any further explanations or requirements on the products, please contact the staff of our technical lab.