

Technical Information

Topcoat ISO x P/Psp/FP

DATE: 21.02.2022

x - colour

TOPCOAT ISO x P/Psp/FP

Based on isophthalic, unsaturated polyester resin, accelerated.

APPLICATION

Topcoat is used on a laminated products, to protect and finish internal surface. It guarantees good hardening without sticky surface effect. It is recommended for production of goods exposed to atmospheric conditions like water, UV light, etc.

Application version:

- **P** (hand lay-up)
- **Psp** (spray lay-up)
- **FP** (spray lay-up with increased viscosity)

PACKAGING

20 kg, 220 kg

COLOUR

Topcoat is available in colours accordingly to RAL palette or upon customer's request in other shades based on a provided sample.

SHELF LIFE

3 months from the date of manufacture.

PROCESSING CONDITIONS

Topcoat should be mixed before use. Required temperature of topcoat before processing is minimum 18°C. Ambient temperature above 18°C and low air humidity provide good curing conditions. The best curing conditions are obtained using 2% MEKP as hardener. It is possible to adjust gel time by varying of amount of hardener, the best withing the range of 1,2 – 2%. Use standard MEKP hardeners for polyester topcoats, e.g. Luperox® K-1S.

STORAGE

Topcoat should be stored in closed packaging in a dry, cool place, protected from sunlight and adapted for storing flammable materials at temperatures not exceeding 25°C.

SPECIFICATION

Parameter	Unit	Value
Viscosity 25°C Brookfield sp.27/rpm.1	P	35 000 ÷ 85 000
	Psp	24 000 ÷ 44 000
	FP	40 000 ÷ 80 000
Gel time at 25°C 2% Luperox® K-1S	min	8 ÷ 16
Flexural strength acc. ISO 178	MPa	129
Stress at break acc. ISO 527	MPa	71
Elongation at break acc. ISO 527	%	2,8
Heat deflection temperature (HDT) acc. ISO 75	°C	85
Barcol hardness ASTM D 2583-95	B	44

Gel time with 2% Luperox® K-1S

Mechanical parameters refer to unreinforced isophthalic base resin cured for 24 hours at room temperature and post-curing for 2 hours at 80°C.

Luperox® is a trade name registered for **ARKEMA**.

The data and suggestions contained in this material are based on our own research and considered by us to be reliable. However, we cannot accept any liability for actions and losses resulting directly or indirectly from the use of the products. The user should check the quality, safety and features of the product before applying it.

ATTENTION: This information does not replace the Safety Data Sheet or the Technical Sheet which are master documents available upon request.

