

TECHNICAL INFORMATION

Gelcoat SAN White P sp/FP

Application

Gelcoat SAN White P sp/FP is recommended to creation of an outer coating on the surface of polyester – glass products, especially sanitary products.

There are two versions:

Gelcoat SAN White P sp – standard

Gelcoat SAN White FP – high viscosity, reduced flowing down

Gelcoat characteristics

Gelcoat SAN White P sp/FP is based on unsaturated polyester resin modified by isophthalic acid. It is characterized by increased resistance to chemical and physical agents e.g. scratching, high temperature action (thermal shock). It is distinguished by high hardness, excellent deaeration and lack of porosity. It forms stable, flexible coating with resistance to yellowing in the long time of usage. The gelcoat is accelerated.

Gelcoat SAN White P sp/FP is offered in any white version according to RAL system or at request of customer according to the pattern.

Typical parameters

Parameter	Unit	Value
Viscosity at 25°C, Brookfield, sp.27/rpm.1	P sp	24 000 ÷ 44 000
	FP	40 000 ÷ 80 000
Gel time at 25°C 2% Luperox® K-1 S	min	8 ÷ 16
Flexural strength acc. to ISO 178	MPa	81
Flexural modulus acc. to ISO 527	MPa	4900
Tensile modulus acc. to ISO 527	MPa	4900
Compressive strength acc. to ISO 604	MPa	120
Heat deflection temperature (HDT) acc. to ISO 75	°C	95
Barcol hardness acc. to ASTM /D 2583-07	°B	53
Guarantee period	month	3

Mechanical parameters refer gelcoat cured for 24h at ambient temperature + 2h at 80°C.

Storage conditions

Gelcoat should be stored in close package in a dry, shady and cool places, adapted for storing flammable materials, at temperatures not exceeding 25°C.

Processing conditions

Gelcoat should be mixed before use.

Required temperature of gelcoat before processing is min. 16°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 within the range of 1 – 2 %.

After long storage time it is recommended to control of curing time – if it is the need – should be added 0,4÷ 1 ml cobalt10% / 1kg of gelcoat.

Luperox® is the trade name registered for products of **ARKEMA** company.

Data and suggestions included in this document are on the basis of our own tests and are considered by us as reliable. However, we cannot take any responsibility for actions and losses directly or indirectly resulted from using our products. User should check the product quality, safety and properties before its using.

Note:

The information does not substitute Material Safety Data Sheet or Technical Specification, which are superior documents and are available on the customer's request.