

# SaniGel White FP-1, FP-2, FP-3

**SaniGel** is a sanitary gelcoat produced from an ISO NPG unsaturated polyester resin.

## APPLICATION

**SaniGel** is designed for production of highly resistant, glossy outer layers on fiberglass reinforced laminates, especially sanitary goods, such as washbasins, shower trays, and bathtubs. Available in RAL palette shades of white or upon customer's request (based on a sample).

**Recommended minimum thickness of SaniGel coating is 0,8 mm.**

## PROPERTIES

- excellent venting
- low water absorption
- high hardness and impact strength
- scratch resistance
- increased chemical resistance
- thermal shock resistance
- increased UV resistance
- recommended for spray application

## PACKAGING

20 kg, 220 kg

## PRODUCTION

**SaniGel** is produced in batches of 400 kg (and multiples of 400 kg) and 3000 kg (and multiples of 3000 kg).

## SHELF LIFE

3 months from the date of manufacture.

## STORAGE

**SaniGel** 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.

## PROCESSING CONDITIONS

**The product should be thoroughly mixed before use.** Ambient temperature above 18 °C and low air humidity ensure good curing conditions. Min. required temperature for gelcoat processing is 16 °C. For optimal curing conditions add 2% MEKP hardener and mix thoroughly. After long storage time it is recommended to control the curing time. If necessary, before adding hardener, add 0,4-1 ml of cobalt siccative with 10% cobalt content per 1kg of gelcoat. The final curing could be optimized by post-curing at elevated temperatures.

## SPECIFICATION

| Parameter  |      | Unit  | Value           |
|--|------|-------|-----------------|
| <b>Viscosity at 25 °C</b><br>Brookfield, sp.27/rpm.1       | FP-1 | mPa s | 30 000÷80 000   |
|  | FP-2 |       | 60 000÷110 000  |
|  | FP-3 |       | 120 000÷170 000 |
| <b>Gel time at 25 °C</b><br>acc. DIN 16945                 |      | min   | 10÷20           |
| <b>Flexural strength</b><br>acc. to ISO 178                |      | MPa   | 100             |
| <b>Flexural modulus</b><br>acc. to ISO 527                 |      | MPa   | 4300            |
| <b>Tensile modulus</b><br>acc. to ISO 527                  |      | MPa   | 4500            |
| <b>Compressive strength</b><br>acc. to ISO 604             |      | MPa   | 55              |
| <b>Heat deflection temperature (HDT)</b><br>acc. to ISO 75 |      | °C    | 92              |
| <b>Barcol hardness</b><br>acc. to ASTM /D 2583-07          |      | B     | 52              |

Gel time with 2% Luperox® K-1 S.

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

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