

SILAK® 031, SILAK® 032

Heat-resistance silicone resins

PRODUCT DESCRIPTION

SILAK® 031 and SILAK® 032 are methylphenyl group containing silicone resin solution in xylene.

CHARACTERISTICS

PROPERTIES	SILAK® 031	SILAK® 032
Colour	light yellow homogeneous liquid	
Dilution	xylene or toluene	
Density at 20°C	approx. 1,04 g/cm ³	approx. 1,01g/cm ³
Viscosity at 20°C according to Ford cup no. 4	approx. 14 s	approx. 30 s
Resin content	approx. 60 %	approx. 50 %

APPLICATION

SILAK® 031 and SILAK® 032 are used:

- as thermosetting varnishes (up to 250°C) for coating metal surfaces (except for copper, bronze and brass),

- to produce heat-resistant paint and enamel with thermal resistance up to 500°C (depending on pigment resistance).

RECOMMENDED USAGE:

Coatings of SILAK® 031 and SILAK® 032 may be applied with a brush, a spray gun, by plating or immersing. Before coating with varnish, the surface should be cleaned and degreased. Dilute SILAK® 031 and 032 with the above-mentioned solvents (xylene containing less than 0.1% of water) in ratio 1:2, and then apply to the surface.

Varnished surface should be air-dried for 25-30 minutes and then placed in a cold drier and slowly heated to 200°C. Next it should be hardened in 200°C for 3-5 hours or in 250°C for 1-2 hours.

To ensure good corrosion protection, apply additional coat of SILAK® solution and harden it several times until at least 0,06 mm thick coating is obtained.

SILAK® 031 and SILAK® 032 contain volatile, flammable solvents, which evaporate during varnishing posing a danger of poisoning, burning or explosion. Therefore all the work should be performed in well ventilated rooms or in open area, in protective clothing. Once the solvent evaporates, the silicone coating is safe for health.

Storage:

SILAK® 031 and SILAK® 032 must be stored in cool and ventilated rooms which comply with the storage conditions of flammable materials.

Warranty period:

6 months from the date of manufacture.

Containers:

1, 5, 50, 200, 1000 kg

Producer's notes

The information contained in this document is given in good faith based on our current knowledge. However, this shall not constitute a guarantee for any specific product features. Each user bears the full responsibility for making its own determination as to the suitability of product for its own particular purpose. Because actual use of product by the user is beyond our control, such use is within the exclusive responsibility of the user, and we cannot be held responsible for any loss incurred through incorrect or faulty use of the product. For more detailed information please contact us in writing or by phone.