

Technical Information

senotherm® Paint



Product series:
-1030-

Temperature resistant coatings.

PRODUCT DESCRIPTION

Coatings of subject series are based on particular silicone resins. These finishes are characterized by low thermoplasticity, good filling power, good abrasion resistance and temperature resistance up to 250° C, at short term even up to approx. 300° C. Specific formulations for the stove industry even offer a temperature resistance of 400-450° C.

The operation instruction should give hint to the fact that fumes and unpleasant smells may incur when item is first put into operation. This implies that good ventilation during this first heating period is of utmost importance. Pregnant women, allergic persons and small children, as well as domestic animals - especially birds - should not unnecessarily stay in subjected areas.

TYPICAL FIELDS OF APPLICATION

Typical fields of application is the decorative, exterior coating of appliances and devices subjected to high thermal stress, e.g. hot plates, storage heaters, electrical small appliances, fan heaters and similar devices.

GENERAL APPLICATIONS RECOMMENDATIONS

Colours	: All colour plain and metallic colours
Degree of gloss	: All degrees of gloss (mat to high gloss) are feasible
Rec. coating system	: One-coat; For special effect application multicoating system is possible! In this case it is to take care to the max. film thickness of 40 microns to the complete system!
Substrate	: aluminium, steel and their alloys, cast metal; Suitability of substrates must be tested!!
Pretreatment	: Degrease and/or sanding. Chemical pretreatments to be tested.
Thinner	: 00-9587-700010 or 00-9597-100066
Application method	: Conventional manual spray or via automatic lines, electrostatic spray possible.
Application viscosity	: Approx. 25 - 30 secs/4 mm / DIN 53 211 / 23°C; Exception textured paint; supply viscosity is to be use.
Flash off	: Approx. 10-15 min. at RT or 5 min. 50-100°C
Cure	: 15 min / 180°C Object temperature; Full mechanical and chemical resistances are only obtained after cure for 30 min. at 250° C object temperature or according operational temperature.
Rec. film thickness	: 25 ± 5 microns (or indicated at the special technical data sheet)
Shelf life	: At least 6 months in sealed original packaging. Material must be protected from heat and frost, storage temperature should be between +5 and +35° C. Coating material must be stirred homogeneously prior to application.
Hazard classes/ Industrial hygiene	: Information on hazard classes and industrial hygiene is given in our relevant safety data sheets.

Kindly refer to our technical data sheets for detailed information on specific products of this series!

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The above indications were determined under lab conditions and in practice as being reference values. They correspond to today's developments in technique. Application equipment and application technique are beyond our influence. This information is given to the best of our knowledge, however, no liability or obligation whatsoever is assumed in connection with it.