



## senotherm® - Paint



Product series/Article No.:  
**-1666-**

Coating material offering a temperature resistance up to approx. 500° C.

### PRODUCT DESCRIPTION

senotherm® coatings of series –1666- characterized by a low solvent content - are based on modified, temperature resistant silicone resin combinations (no silicone contamination!) with temperature-resistant pigments. An interaction with other products can never be fully excluded.

Coatings of this type grant corrosion protection, allow easy processing, show no sagging and offer good levelling. Coating material cures physically at room temperature, however, optimum mechanical properties and final characteristics are only obtained after cure at 250° C for at least 30 min. Due to the unique composition of this product series, there is almost no change of gloss and colour, even at permanent temperature stress of approx. 500°C.

When finished item is put into operation, i.e. subjected to temperature, a chemical cure and reaction of the resins used is set off. It is technically unavoidable that unpleasant smells and fumes are temporarily produced when coated item is being heated up for the first time. After having been fully heated up to operational temperature, chemical process should be terminated.

We recommend to mark coated items as follows:

„When being heated up for the first time, unpleasant smells and fumes are produced. Please arrange for good ventilation of the room. Open windows and doors, if necessary, use a ventilator for fast interchange of air. Heat up to maximum operational temperature for at least one hour. If maximum temperature is not achieved after first heating up, release of unpleasant odours may appear later on“.

The operation instruction - in particular for airdried appliances - 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.

Subject product series also allows filling in spray cans.

Should you use our senotherm® product for racking in spray cans, please observe the respective marking regulations for hazardous goods and please give hint that sufficient room ventilation should be provided for.

senotherm® lacquers series –1666- can be, even after airdrying or stoving, re-coated (resp. reconditioned) with itself

**ATTENTION:** IF FILM THICKNESSES APPLIED ARE TOO HIGH, CRACKING RESPECTIVELY PEELING OFF MAY BE CAUSED

### TYPICAL FIELDS OF APPLICATION

Ideal decorative lacquer for stoves, chimneys, grills, stovepipes, accessories for the stove industry, burn chambers and other appliances subjected to high thermal stress.

**The system is not suited for direct contact with food!**





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### GENERAL APPLICATIONS RECOMMENDATIONS

Coating system	: one-coat
Substrate	: steel, cast steel, aluminium, cast aluminium
Pretreatment	: Substrate should be free from grease, corrosion and other contaminations. Degrease & sanding.
Thinner	: if necessary 00-9597-100066
Application method	: Conventional air-atomising spray; electrostatic spray; dip coating and flow coating after special adjustment!
Application viscosity	: supply viscosity
Cure	: airdrying, mechanical values are only obtained after drying for 30 min. at 250° C object temperature; stoving up to operational temperature is possible
Drying times	: dust dry after 15-20 min. at room temperature of 20° C and dry film thickness of 20 microns
Rec. film thickness	: 20 ± 5 microns
Shelf life	: 6 months in sealed original packaging. Protect from frost and heat! Storage temperature should preferably be between +5 and +35° C.
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!

**DETAILED APPLICATION INSTRUCTIONS ARE GIVEN IN OUR  
„PROCESSING INSTRUCTIONS FOR SERIES -1666-“**

1666-08

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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.

