

Technical Information

senotherm® –UHT 600



Product series:
1157

Coating material offering a temperature resistance exceeding 600° C.

PRODUCT DESCRIPTION

senotherm® finishes of series -1157- are based on ultra-high temperature-resistant silicone resins and temperature-resistant pigments. Use of this type of coatings does not cause any silicone contamination. An interaction with other products, however, can not be excluded.

In contrast to conventional temperature-resistant coating system, cross-linking of the film already takes place at room temperature. Apart from the fact that surface hardness is consequently already obtained at room temperature, coated surfaces are further virtually free from fumes and odours when being put into operation for the first time.

By this means the end user's steadily rising awareness of health and environmental protection has also been taken into account. Another important advantage is the fact that the solvent content of this product series has been significantly reduced, so that the solvent emission during processing is lower too.

senotherm®-UHT 600 is available in black, cast grey and other colours offering a colour stability of more than 600° C.

TYPICAL FIELDS OF APPLICATION

Stoves, chimneys, heating insets, stovepipes, accessories and other appliances and lines subjected to high thermal stress.

GENERAL APPLICATION RECOMMENDATIONS

System	: One-coat
Substrate	: Steel, cast steel, aluminium, cast aluminium, substrates have to be tested with respect to suitability
Pretreatment	: Substrate must be free from grease, corrosion and other contaminations. Degrease AND sanding!
Application method	: Conventional air-atomizing spray and electrostatic spray is possible. Other application methods are possible after prior testing. Attention: Storage tanks and containers must always be closed in order to avoid drying on the surface, as dried particles can not be stirred into the lacquer again.
Cure	: Dry to touch after approx. 15-45 min. at room temperature of 20° C and at 25 microns DFT. Coating material already fully reacts at room temperature. During drying methyl alcohol is released. Therefore it is necessary to take care for proper ventilation. Full mechanical resistances and properties are achieved after reaction time of approx. 7 days. At temperatures below 10° C there is no sufficient through drying.
Rec. film thickness	: 25 ± 5 microns
Shelf life	: At least 6 months in sealed original packaging. Material is to be protected from heat and frost. 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.

Detailed information regarding specific products is given in our relevant technical data sheets as well as in our "PROCESSING INSTRUCTIONS FOR senotherm® UHT 600 – Series 1157-"

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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.