

TECHNICAL DATA SHEET

Aqua-Therm DRP

Waterborne structured heat resistant paint

Colours:	According to the colour chart
Field of application:	Aqua-Therm DRP is suitable for decorating metal surfaces (fireplace cover) exposed up to 160-180°C. It can be used direct to metal.
Appearance:	White thick, granular suspension
Non volatile content:	min. 70 m/m%
Shelf life:	3 months from production if stored between +5 and +25°C. Frost sensitive.

PROPERTIES AND APPLICATION INSTRUCTIONS

Substrates:	Cold-, and hot rolled steel
Surface pre-treatment:	Substrates must be clean, dry and free from any contamination. All oil, dirt, grease, dust, foreign material and oxide layer must be removed prior to coating. Blast cleaning provides a roughened surface that improves adhesion. Abrasive blast clean to Sa 2½ (ISO 8501-1:2007).
Processing:	The can be applied by brush, sponge or bristle roller. Paint shall be applied at temperature between 10-30°C. Stir paint carefully each time before applying. To produce aesthetic coating, apply 1 layer Aqua-Therm DRP in 600-1200 µm wet thickness.
Drying and cure:	At room temperature with effective ventilation 1-2 hours after rolling the surface is touch dry, without any flash-rust. The coating can be exposed to higher temperatures (maximum 160-180°C), heated up at an even rate after air drying at room temperature minimum 24 hours depending on the structure. Coating reaches its final hardness after at least 30 minutes at operating temperature.
Rec. layer thickness:	600-1200 µm wet
Heat resistance:	max. 160-180°C
Theor. spreading rate:	1-1,5 m ² /kg (in one layer depending on the surface and the technology)

- Thinning:** Not recommended, apply softened water when necessary (max. 5%)
- Clean up:** The cleaning of tools and surfaces contaminated with paint can be done with tap water immediately after application. The removal of the dried paint can only be done by organic solvent (e.g. aromatic solvent). Cleaning of coated surface is recommended only with dry methods (e.g. vacuum cleaner).
- Storage & handling:** Containers once opened have to be carefully re-sealed; otherwise contact with air will lead to formation of a thin skin on its surface, which may cause the formation of grains when the leftover paint is used. Should this occur, then the paint is to be filtered before use.
- Safety precautions:** The paint is basically for use by professional applicators in accordance with information in this Technical Data Sheet and the applicable Material Safety Data Sheet (MSDS). Refer to the product MSDS before using this material.

We recommend the field of application and usage technologies according to our best technical knowledge. These recommendations do not substitute for the detailed application technology / method statement which has to be developed with respect to the local circumstances and application requirements. In this sense this TDS should be considered as information only.