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PRODUCT DATA SHEET

PRODUCT: **MONDIALTERMIC HTF**
Silicone heat-resistant coating

CODE: **COMP. A C32941 MONDIALTERMIC HTF**
COMP. B -

PRODUCT DESCRIPTION: Heat-resistant silicone topcoat with resistance up to 600 ° C, with minimum alteration in color and appearance, suitable for the protection and decoration of wood / pellet stoves and fireplaces or wood-burning cooking equipment (barbecues, ovens, etc.). For maximum thermal resistance, the product should be applied directly to metal. To achieve maximum strength and chemical resistance it is necessary to cook the manufactured article at a temperature of 200 ° C for 30 minutes.

SURFACE PREPARATION: For particularly harsh operating conditions we recommend a white metal blasting (grade Sa3). For less severe conditions an almost white metal (grade Sa 2½) is enough. A commercial blasting or alternatively a good quality mechanical cleaning are often acceptable. The product must be applied strictly on dry surfaces, clean, perfectly free of oil, grease, dust, moisture or other contaminants.

APPLICATION METHODS: Spray, brush or roll. Preferred application is airless spray. Brush or roller don't grant an uniform coverage, use these techniques only on retouch or small surfaces. For small and non-continuous surfaces, we suggest use of manual spray gun or airmix pumps.

APPLICATION INSTRUCTIONS:	CONVENTIONAL SPRAY LOW PRESSURE PUMP		AIRLESS AIRMIX	
	Nozzle diameter (mm)	1,3÷1,5	Pressure ratio	28:1
Product pressure (Atm)	0,7÷1,5	Nozzle diameter (inch)	0,013÷0,019	
Air pressure	3,5÷4,5	Product pressure (Atm)	110,0÷160,0	



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TECHNICAL DATA:

	Evaporation of the solvent and heat-curing
Mechanism of hardening	
Specific weight (kg / l) *	1,2 (±3%)
Volume solids (%) *	30 (±1%)
Medium dry film thickness (microns)	20-30
Correspondence wet film thickness (microns)	67-100
Yield to the average or recommended thickness (m ² / lt) *	19,5
Consumption at the average or recommended thickness (lt / m ²) *	0,7
Touch dry at 25 ° C (min)	30
Hard dry at 200 ° C (minutes)	30
Recommended application temperature (° C)	+5 ~ +40
Maximum operating temperature (° C)	600
Thinner	6060020
Maximum dilution (% volume)	10%
Aspect of the film	matt
Color	Black, Anthracite, Metallic and on request
Storage in suitable conditions (months)	12

N.B.

* Data referred to colour black. The solid content values, specific weight and yield were calculated with theoretical method. Thickness and performance are only indicative, in fact vary greatly depending condition of substrate, dilution, absorption, porosity, surface irregularities and application method.



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ADDITIONAL INFORMATION:

This is a one-component product. Vigorously mix the product for a few minutes with appropriate instruments and characterized by sufficient size, in order to ensure the complete homogeneity. Where possible it is preferable to use a mechanical stirrer. The temperature of the surface to be treated must be at least 3° C higher than dew point. If this condition is not met the resulting condensation, not always visible, may easily lead to phenomena of non-adherence. Carefully remove any accumulated roughness prior to the application of subsequent coats. It is recommended to implement all necessary measures (development of equipment for painting, using any thinner retardant-wetting thinner, position yourself upwind, proper progression of the surfaces to be painted) to prevent the accumulation of dust coating, which if not removed causes inhomogeneity of the film.

IMPORTANT NOTE

All information contained in this form are the result of laboratory tests carried out under controlled conditions and well-defined and / or correspond to our most advanced and current technical and practical knowledge. this does not exempt the customer, given the variability of environmental conditions and personal systems of application, from carrying out their own investigations and to make their own eligibility checks. Mondial Color assumes no responsibility for any damage caused by improper use of the product. This sheet supersedes the previous editions.
