

Temal 400

DESCRIPTION

A heat resistant silicone paint.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Resistant to temperatures up to + 400 °C dry heat on steel surfaces.
- ◆ Recommended for exteriors of steel structures exposed to high temperatures.
- ◆ Suitable for fireplace doors, flues, exhaust pipes, sauna stoves and other hot metal surfaces indoors and outdoors.
- ◆ For industrial use only according to Directive 1999/13/EC.

TECHNICAL DATA

Volume solids 19 ± 2 %. (ISO 3233)

Weight solids 34 ± 2 %.

Specific gravity 1.1 kg / l

Product code 006 7683

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
15 µm	75 µm	12,7 m ² /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying times

DFT 15 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	30 min	15 min	5 min
Touch dry, after	1 h	30 min	15 min
Recoatable, after	3 h	2 h	1 h
Final cure and hardness will be obtained by curing at +230 °C, 1 h.			

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Finish Matt.

Colours Black.

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APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><u>Steel surfaces:</u> Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.</p> <p><u>Zinc silicate surfaces:</u> Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)</p>
Primer	Temasil 90.
Finish	Temal.
Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 10 °C during application. Relative humidity should not exceed 80 %. The surface temperature of steel should remain at least 3 °C above the dew point.
Application	<p>By airless spray (airmix system is recommended) or conventional spray or by brush. Mix the paint thoroughly before use.</p> <p>Depending on the application method the paint can be thinned 0 - 10 %. Airless spray nozzle tip 0.011" - 0.013" and nozzle pressure 120 - 160 bar. Spray angle shall be chosen according to the shape of the object.</p>
Thinner	Thinner 1031.
Cleaning of equipment	Thinner 1031.
VOC	<p>The Volatile Organic Compounds amount of the paint mixture is 700 g/litre of paint. VOC of the paint (thinned 10 % by volume) is 715 g/l.</p> <p>For industrial use only.</p>
HEALTH AND SAFETY	<p>Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.</p> <p>A health and safety data sheet is available on request from Tikkurila Oyj.</p>

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