

Temal 400

TYPE	A heat resistant silicone paint.
SUITABILITY	Recommended for exteriors of steel structures exposed to high temperatures.
EXAMPLES OF USE	Suitable for fireplace doors, flues, exhaust pipes, sauna stoves and other hot metal surfaces indoors and outdoors.

TECHNICAL DATA

Features Resistant to temperatures up to + 400 °C dry heat on steel surfaces. For industrial use only according to Directive 1999/13/EC.

Colour Range Black.

Gloss groups Matt

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
15 µm	75 µm	13.3 m ² /l

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

Thinner 1031

Application method By airless spray (airmix system is recommended) or conventional spray or by brush.

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
Recoatible, after	3 h	2 h	1 h
Final cure and hardness will be obtained by curing at +230 °C			

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

Solids volume 19 ± 2 % volume (ISO 3233)
34 ± 2 % weight

Density 1.1 kg / l

Product code 006 7683

INSTRUCTIONS FOR USE

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.

Preparation Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)

Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is recommended for cold rolled steel to improve adhesion.

Zinc silicate surfaces: 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)

Priming TEMASIL 90.

Finishing	TEMAL.
Painting	By airless spray (airmix system is recommended) or conventional spray or by brush. Mix the paint thoroughly before use. 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.
Cleaning of tools	Thinner 1031.
EU VOC 2004/42/ EC-limit value	The Volatile Organic Compounds amount is 700 g/litre of paint. VOC of the paint (thinned 10 % by volume) is 715 g/l.

**HEALTH AND
SAFETY
CLASSIFICATION**

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. A health and safety data sheet is available on request from Tikkurila Oy.

The above information, based on laboratory tests and practical experience, has been proved valid at the date marked on the product data sheet. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As a manufacturer we cannot be responsible for any damages caused by using the product against our instructions or for inappropriate purposes.

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