

Temal 600 HB

TYPE	A high build silicone aluminium 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.

TECHNICAL DATA

Features Resistant to temperatures up to + 650 °C dry heat on steel without primer and + 400 °C when applied over a zinc silicate paint. Can be applied by airless spray equipment.

Colour Range Aluminium. Metallic lustre.

Coverage	Recommended film thicknesses		Theoretical coverage
	dry	wet	
	25 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 1006

Application method By airless or conventional spray or by brush.

Drying times	DFT 25 µm	+ 10 °C	+ 23 °C	+ 35 °C
	Dust dry, after	30 min	15 min	10 min
	Touch dry, after	2 h	1 h	30 min
	Recoatable, 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 34 ± 2 % volume (ISO 3233)
51 ± 2 % weight

Density 1.2 kg / l

Product code 006 7682

INSTRUCTIONS FOR USE

Application conditions All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below + 5 °C during application. Relative humidity should not exceed 80 %. The surface temperature of the 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 over-coating time of the primer. (ISO 12944-4)

Priming TEMASIL 90.

Finishing TEMAL 600 HB.

Painting	By airless 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 1006.
EU VOC 2004/42/ EC-limit value	The Volatile Organic Compounds amount is 565 g/litre of paint. VOC of the paint (thinned 10 % by volume) is 595 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.

Tikkurila Oy • P.O. Box 53 • Kuninkaalantie 1 • FI-01301 Vantaa Finland • Tel. +358 9 857 71 • Fax. +358 9 8577 6900 VAT FI01970674 • Business Identity Code 0197067-4 • Registered Office Vantaa • e-mail: info@tikkurila.com • www.tikkurila.com