

TEMAL 600

DESCRIPTION

A silicone aluminium paint.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Resistant to temperatures up to + 650 °C dry heat on steel without primer and to + 400 °C when applied over zinc silicate paint.
- ◆ Recommended for exteriors of steel structures exposed to high temperatures.
- ◆ Suitable for fireplace doors, flues, exhaust pipes, sauna stoves and other hot metal surfaces.
- ◆ For industrial use only according to Directive 1999/13/EC.

TECHNICAL DATA

Volume solids 22 ± 2 %. (ISO 3233)

Weight solids 34 ± 2 %.

Specific gravity 1.0 kg / l

Product code 006 7679

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
15 µm	70 µm	14.3 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	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.

Finish Metallic lustre.

Colours Aluminium.

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APPLICATION DETAILS

Surface preparation	Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4) <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. <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)
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 + 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.
Application	By conventional spray or brush. Mix the paint thoroughly before use. Depending on the application method the paint can be thinned 0 - 10 %.
Thinner	Thinner 1006.
Cleaning of equipment	Thinner 1006.
VOC	The Volatile Organic Compounds amount is 660 g/litre of paint. VOC of the paint (thinned 10 % by volume) is 680 g/l.
HEALTH AND SAFETY	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 Coatings Oy.

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