

TEMAL 600 HB

DESCRIPTION

A silicone aluminium paint.

PRODUCT FEATURES AND RECOMMENDED USES

- Resistant to temperatures up to + 650 °C / 1200 °F dry heat on steel without priming and + 400 °C / 750 °F when applied over a zinc silicate paint.
- ◆ Can be applied by airless spray equipment.
- Exteriors of steel structures exposed to high temperatures.
- Suitable for fireplace doors, flues, exhaust pipes, sauna stoves and other hot metal surfaces.

TECHNICAL DATA

Volume solids $34 \pm 2 \%$. (ISO 3233)

Weight solids $51 \pm 2 \%$.

Specific gravity 1.2 kg / l

Product code 006 7682

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage	
dry	wet		
25 μm	75 μm	13.6 m ² /l	

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

Drying time

DFT 25 μm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry	30 min	15 min	10 min
Touch dry	2 h	1 h	30 min
Recoatable	3 h	2 h	1 h
Final cure and hardness will be obtained	by curing at + 230 °C / 445 °F		

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.

not fall below + 5 °C / 41 °F during application. Relative humidity should not exceed 80 %. The surface temperature of the steel should remain at least 3 °C / 38 °F above

the dew point.

Application 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", spray angle shall be chosen according to the shape of the

object.

Thinner Thinner 1006.

Cleaning of equipment Thinner 1006.

VOC The Volatile Organic Compounds amount to 570 ± 20 g/litre of paint.

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.

For professional use only.

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