



Temal 400

DESCRIPTION

A heat resistant silicone paint.

PRODUCT FEATURES AND RECOMMENDED USES

- Used in cases demanding a heat-resistant product, such as fireplace doors, flues, exhaust pipes, sauna stoves.
- Resistant to temperatures up to +400°C dry heat on steel surfaces.
- For industrial use only according to Directive 1999/13/EC.
- 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.

TECHNICAL DATA

Volume solids 19±2% (ISO 3233)

Weight solids 34±2%

Specific gravity 1.1 kg / l

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
75µm	15µm	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 time

DFT 15µm	+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, 1 h.			

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

Gloss Matt.

Color shades Black



Temal 400

APPLICATION INSTRUCTIONS

Surface 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)
Recommended primers	Temasil 90.
Recommended topcoats	Temal 400.
Application conditions	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +10°C during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.
Application	Stir the product carefully before use. For air-assisted airless spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 0.011"–0.013" and pressure 120–160 bar. Atomising air pressure should be 2–3 bar. Spray angle shall be chosen according to the shape of the object. For conventional spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 1.4–1.8 mm and pressure 3–4 bar. For brush application product should be thinned according to the circumstances.
Thinners	Thinner 1031
Cleaning of equipment	Thinner 1031
VOC	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.

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 Oyj.

For industrial use only.

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.