

Temamastic PM 100

TYPE	A two component, high solids, modified epoxy paint, aluminium pigmented.
SUITABILITY	Can be used as a primer for steel surfaces exposed to mechanical and chemical stress and water immersion. May also be used as a single coat protection.
EXAMPLES OF USE	Recommended for different types of steelwork, machinery and equipment in the wood-processing and chemical industry, such as paper machines, conveyors, pumps etc.

TECHNICAL DATA

Features Due to aluminium pigmentation it forms a very tight, abrasion and chemical resistant coat. Low solvent content - lower solvent emissions than with traditional epoxy paints.

Colour Range Greenish and reddish aluminium.

Gloss groups Semi-gloss

Coverage	Recommended film thicknesses		Theoretical coverage
	dry	wet	
	50 µm	65 µm	16.0 m ² /l
	150 µm	190 µm	5.3 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

Mixing ratio Base 1 part by volume 008 7281-2
Hardener 1 part by volume 008 7289

Application method By airless spray or brush.

Pot-life (+23°C) 1 h

Drying times	DFT 100 µm	+ 10 °C	+ 23 °C	+ 35 °C
	Dust dry, after	5 h	2½ h	1 h
	Touch dry, after	9 h	5 h	2½ h
	Recoatable without sanding, min/max. after	9 h - 5 d	5 h - 3 d	2½ h - 1 d

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

Solids volume 80 ± 2 volume % (ISO 3233)
84 ± 2 weight %

Density 1.3 kg / l (mixed)

Product code 008 7281-2

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 and drying. 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. Clean small damages by tool cleaning to St2. (ISO 8501-1)

	Earlier painted surfaces: Roughen old paint surfaces using e.g. abrasive wheel, sand paper or blast cleaning.
Priming	TEMAMASTIC PM 100.
Finishing	TEMACOAT GPL, TEMACOAT GS 50, TEMACOAT RM 40 and TEMADUR.
Painting	By airless spray or brush. Depending on the temperature of the components the paint can be thinned 0 - 10 %. Airless spray nozzle tip 0.013" - 0.019" and nozzle pressure 120 - 180 bar. Spray angle shall be chosen according to the shape of the object. At brush application the paint should be thinned according to the circumstances.
Mixing of components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use Temaspeed Squirrel Mixer for mixing.
Cleaning of tools	Thinner 1031.
EU VOC 2004/42/ EC-limit value	The Volatile Organic Compounds amount is 230 g/litre of paint. VOC content of the paint mixture (thinned 10 % by volume) is 287 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