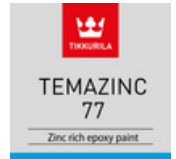




Temazinc 77 - Zinc-rich epoxy paint

DESCRIPTION

A two-component, polyamide-cured zinc-rich epoxy paint.



PRODUCT FEATURES

Used as a primer in epoxy, polyurethane, acrylic and chlorinated rubber systems for steel surfaces exposed to severe climatic conditions. Can be used without a topcoat on surfaces exposed to weathering.

Recommended uses

Recommended for bridges, cranes and steel frameworks as well as steelwork and equipment in the forest and chemical industries, such as tubular bridges, conveyors etc.

TECHNICAL DATA

Features

Offers cathodic protection of steel. The zinc content fulfils the requirements of ISO 12944-5.

Colour Range

Grey.

Gloss groups

Matt

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	75 µm	13.0 m ² /l
80 µm	155 µm	6.5 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 3 parts by volume 008 7405
Hardener 1 part by volume 008 7440

Application method

By airless spray or brush.

Pot-life (+23°C)

16 hours

Drying times

DFT 40 µm	+ 5 °C	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	50 min	20 min	10 min	5 min
Touch dry, after	2 h	1 h	30 min	15 min
Recoatable, after	5 h	3 h	1 h	30 min

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

Solids volume

52 ± 2 % volume (ISO 3233)

Density

2.0 kg / l (mixed)

Product code

008 7405






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APPLICATION DETAILS

Application conditions	All surfaces must be dry. The temperature of the ambient air, surface or paint should not fall below +5 °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. (ISO 8501-1)
Finishing	Temacoat GPL-S Primer, Temacoat GF Primer, Temacoat HB Primer, Temacoat GPL-S MIO, Temacoat GS 50, Temacoat RM 40, Temacoat HB 30, Temacoat SPA, Temabond, Temachlor 40, Temacryl AR 50 and Temanyl MS Primer.
Painting	By airless spray or brush. Agitate during application. Depending on the application method the paint can be thinned 0 - 10 % by volume. Airless spray nozzle tip 0.015" - 0.021" and nozzle pressure 120 - 180 bar. Spray angle shall be chosen according to the shape of the object. Sharp edges, corners, weld seams and other areas difficult to cover properly by spray application should be coated by brush before the spray application. 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 480 g/litre of paint. VOC content of the paint mixture (thinned 5 % by volume) is 495g/l. Only for industrial use.

HEALTH AND SAFETY LABELLING according to Regulation (EC) No. 1272/2008

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.

Safety data sheet	 Temazinc 77
Thinner safety data sheet	 Temazinc 77
Hardener safety data sheet	 Temazinc 77

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.

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