



Fontezinc 85 - Water-borne zinc-rich epoxy paint

DESCRIPTION

A two-component, water-borne zinc-rich epoxy paint.



PRODUCT FEATURES

Used as a primer in epoxy, polyurethane and acrylic 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

Can be used without a topcoat on surfaces exposed to weathering. Offers cathodic protection of steel.

Colour Range

Reddish grey.

Gloss groups

Matt

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
40 µm	85 µm	11.6 m ² /l
80 µm	170 µm	5.8 m ² /l

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

Can sizes

Base 4.3 parts by volume 930 5080
Hardener 1.0 part by volume 930 2760
Water 2.0 part by volume (see overleaf: "Application")

Application method

By airless spray or brush.

Pot-life (+23°C)

4 hours.

Drying times

DFT 40 µm	+ 10 °C	+ 23 °C	+ 35 °C
Dust dry, after	1 h	½ h	20 min
Touch dry, after	2 h	1 h	½ h
Recoatible with waterborne paints, after	5 h	2 h	1 h
Recoatible with solventborne paints, after	48 h	24 h	12 h

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



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Solids volume	44 ± 2 % volume (thinned 40 vol %)
Density	2.4 kg / l (mixed and thinned 40%)
Product code	930 5080

APPLICATION DETAILS

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. (ISO 8501-1)
Finishing	Fontedur HB 80, Fontecoat EP 50, Temacoat GPL-S Primer, Temacoat GPL-S MIO, Temacoat RM 40 and Temanyl MS Primer.
Painting	By airless spray or brush. Agitate during application. Depending on the application method the paint can be thinned 20 - 50 % by volume. Airless spray nozzle tip 0.013" - 0.019" and nozzle pressure 160 - 200 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	Water and Thinner 1029.
EU VOC 2004/42/EC-limit value	The Volatile Organic Compounds amount to 180 ± 20 g/litre of paint mix thinned 40 % by volume.

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. For industrial use only.

Safety data sheet	 Fontezinc 85
Hardener safety data sheet	 Fontezinc 85

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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