

Temacoat EP Primer

DESCRIPTION

A two component epoxy primer containing zinc phosphate.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Excellent adhesion to steel and zinc surfaces.
- ◆ Can be used as a primer or an intermediate coat on epoxy and epoxy-polyurethane systems.
- ◆ Rapidly recoatable.

TECHNICAL DATA

Volume solids

53±2%. (ISO 3233)

Weight solids

71±2%.

Specific gravity

1.4–1.5 kg / l (mixed)

Mixing ratio and product codes

Base	4 parts by volume	82VR735
Hardener	1 part by volume	008 5600

Pot life

4 hours (+23°C)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
80µm	150µm	7,8 m ² /l
140µm	260µm	5,7 m ² /l

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

Drying times

DFT 80 µm	0°C	+5°C	+10°C	+23°C	+35°C
Dust dry, after	4 h	2 h	1 h.	½ h	15 min.
Touch dry, after	16 h	8 h	4 h	2½ h	1 h
Recoatable with epoxy paints, min. after	16 h	6 h	4 h	2 h	45 min
Recoatable with polyurethane paints, min. after	14 h	8 h	5 h	2 h	1 h
Recoatable without roughening max. 6 months.					

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

Finish

Matt.

Colours

RAL 7035.

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APPLICATION DETAILS

Surface preparation	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p><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.</p> <p><u>Zinc surfaces:</u> Sweep blast-clean with mineral abrasives, e.g. quartz sand, to an even roughness. (SaS, SFS 5873) If sweep blasting is not possible, the surface should be roughened by hand abrading or washed with PANSSARIPESU detergent.</p> <p><u>Primed 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)</p>
Primer	Temacoat GPL-S Primer, Temabond, Temazinc 77, Temazinc 99 and Temasil 90.
Finish	Temacoat GPL, Temacoat GS 50, Temacoat RM 40, Temacoat SPA 50, Temadur, Temathane, Fontecoat EP 50 and Fontecoat EP 80.
Application conditions	<p>All surfaces must be clean and dry and free from contamination. During application and drying the temperature of the substrate should be minimum 0°C and relative humidity of the air should not exceed 80%. The surface temperature of the steel should be at least 3°C above the dew point.</p> <p>The product should not be applied at temperatures below 0°C where there is a possibility of ice formation on the substrate. The temperature of paint itself should be above +15°C for proper application. Good ventilation is required in confined areas during application and drying.</p> <p>Note! There is a natural tendency of epoxy coatings to chalk and discolor on exterior exposure.</p>
Mixing components	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing.
Application	<p>By airless spray or by brush. The paint can be thinned 0–10% at airless spray application. Airless spray nozzle tip 0.011"–0.017" and nozzle pressure 120–160 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>Use brush only for stripe coating.</p>
Thinner	Thinner 1031
Cleaning of equipment	Thinner 1031
VOC	The Volatile Organic Compounds amount is 430 g/litre of paint mixture. VOC content of the paint mixture (thinned 10% by volume) is 470 g/l.
HEALTH AND SAFETY	<p>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.</p> <p>A health and safety data sheet is available on request from Tikkurila Oyj.</p> <p>For industrial use only.</p>

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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.