



# Temasolid EZ 80

## DESCRIPTION

A two-component glossy polyurea paint, containing anti-corrosive pigments, hardener aliphatic isocyanate.

## PRODUCT FEATURES AND RECOMMENDED USES

- Fast curing & drying coating that can be applied as a single-coat for fast return to service
- High volume solids and low VOC
- Excellent spraying properties, even with airless spray
- Excellent mechanical resistance and edge retention
- Forms an easy-to-clean surface with very good color retention
- The product has been tested for non-contamination of grain cargo at the Newcastle Occupational Health & Hygiene, Great Britain
- Recommended to be used as a single-coat finish on metal and especially for agricultural and earth-moving machinery and other machinery and equipment

## TECHNICAL DATA

### Volume solids

75±2%

### Weight solids

85±2%

### Specific gravity

1.4±0.1 kg / l (mixed)

### Mixing ratio

Base	1.75 parts by volume	Temasolid EZ 80
Hardener	1 part by volume	008 7640

### Pot life (+23°C)

½ hour

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
110µm	80µm	9.4 m <sup>2</sup> /l
160µm	120µm	6.3 m <sup>2</sup> /l
210µm	160µm	4.7 m <sup>2</sup> /l

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

### Drying time

DFT 120µm	+23°C / RH 20%	+ 23°C / RH 50%	+23°C / RH 80%
Dust dry, after	45min	20min	15min
Touch dry, after	1.5h	45min	25min
Dry to handle, after	2.5h	1h	40min

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

### Gloss

Gloss.

### Color shades

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting

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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	<p>Oil, grease, salts and dirt are removed by appropriate means. (ISO 12944-4)</p> <p>Steel surfaces: Blast clean to grade Sa2½. (ISO 8501-1) If blast cleaning is not possible, phosphating is necessary for cold rolled steel to improve adhesion. In order to get the best performance the surface profile should be medium grit. (ISO 8503-2)</p> <p>Primed 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)</p>
<b>Recommended primers</b>	Fontecryl AP, Temanyl PVB, Temacoat GPL-S Primer, Temacoat Primer, Temacoat SPA Primer, Temazinc 77, Temazinc 99.
<b>Application conditions</b>	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +5°C during application or drying. The surface temperature of the 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.
<b>Mixing components</b>	First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and weaken the properties of the coating.
<b>Application</b>	<p>For airless spraying, the product is thinned depending on the temperature of the components and shape of the object approximately 0–5%. Recommended nozzle tip is 0.011"–0.015" and pressure 160–200 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For conventional spraying, the product is thinned approximately 0–10%. Recommended nozzle tip is 1.6-1.8 mm and pressure 2.5 bar.</p>
<b>Thinners</b>	Thinner 1048, Thinner 1067
<b>Cleaning of equipment</b>	Thinner 1048 or 1067.
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 230 g/litre of paint mixture.</p> <p>VOC content of the paint mixture (thinned 10% by volume) is 290 g/l.</p>
<b>HEALTH AND SAFETY</b>	<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>

### 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.