



Temasolid EZ 80 - Polyurea paint

DESCRIPTION

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



PRODUCT FEATURES

Recommended uses

Recommended to be used especially as a single-coat finish for agricultural and earth-moving machinery and other machinery and equipment.

TECHNICAL DATA

Features

- Forms hard, durable and easy to clean paint film with very good gloss and color retention.
- Excellent scratch and mar resistance.
- Very high sagging value.

Colour Cards

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

Colour Cards

RAL, NCS, SSG, BS, MONICOLOR NOVA, SYMPHONY, TEMASPEED Tinting

Gloss groups

Gloss

Coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
80 µm	100 µm	10.0 m ² /l
120 µm	150 µm	6.7 m ² /l

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

Thinner

1048 and 1067

Mixing ratio

Base 1.75 parts by volume 46V-s
Hardener 1 part by volume 008 7640

Application method

By airless or conventional spray.

Pot-life (+23°C)

½ hour.

Drying times

DFT 120µm	+23°C / RH 20%	+ 23°C / RH 50%	+23°C / RH 80%
Dust dry, after	45min	20min	15min



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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.

Solids volume	75 ± 2 %. 85 ± 2 %.
Density	1.4 ± 0.1 kg / l (mixed)
Product code	Base paint 46V-s and hardener 008 7640

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 or drying. 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) If blast cleaning is not possible, phosphating is necessary for cold rolled steel to improve adhesion. 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)
Priming	Fontecryl AP, Temanyl PVB, Temacoat GPL-S Primer, Temacoat SPA Primer, Temazinc 77 and Temazinc 99.
Finishing	Temasolid.
Painting	By airless or conventional spray. Airless spray: depending on the temperature of the components and shape of the object the paint can be thinned 0–5%. Airless spray nozzle tip 0.011"–0.015" and nozzle pressure 160–200 bar. Spray angle shall be chosen according to the shape of the object. At conventional spray the paint should be thinned 0–10%, nozzle pressure 2.5 bar, nozzle tip 1.6–1.8 mm
Mixing of 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.
Cleaning of tools	Thinner 006 1048 or 006 1067.
EU VOC 2004/42/EC-limit value	The Volatile Organic Compounds amount is 230 g/litre of paint mixture. VOC content of the paint mixture (thinned 10% by volume) is 290 g/l. Only for professional and industrial use.

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



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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

 [TEMASOLID EZ 80](#)

Thinner safety data sheet

 [THINNER 006 1048](#)

Hardener safety data sheet

 [HARDENER 008 7640](#)

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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