

Temabond WG 300

DESCRIPTION

A two component, low temperature curing modified epoxy paint.

PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Forms a tight coat with good chemical and abrasion resistance.
- ◆ Good adhesion also to wire-brushed steel.
- ◆ Especially used as a primer for steel surfaces difficult to clean in process and chemical industry and in water immersion, such as ship hulls and ballast tanks.
- ◆ Recommended for repairing of damages caused by transport or installation and for repainting and touch-up painting of earlier painted surfaces.
- ◆ Can also be applied on old alkyd paint surfaces.

TECHNICAL DATA

Volume solids 70 ± 2 %. (ISO 3233)

Weight solids 78 ± 2 %.

Specific gravity 1.3 kg / l (mixed)

Mixing ratio and product codes

Base	1 part by volume	176-series
Hardener	1 part by volume	008 7518

Pot life 1 hour (23 °C)

Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 µm	145 µm	7.0 m ² /l
200 µm	290 µm	3.5 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 150 µm	- 5 °C	0 °C	+ 5 °C	+ 10 °C	+ 23 °C
Dust dry, after	18 h	14 h	6½ h	3½ h	2½ h
Touch dry, after	48 h	36 h	17 h	9 h	5 h
Recoatable, after	48 h	36 h	17 h	9 h	5 h
Recoatable with epoxy, max. without sanding	2 months	2 months	2 months	2 months	2 months
Recoatable with polyurethane, after	-	-	14 d	14 d	14 d

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

Finish Semigloss.

Colours TEMASPEED tinting.

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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> Remove rust by tool cleaning to minimum St2 or blast clean to Sa2 or Sa2½ . Blast clean to grade Sa2½ for immersion. (ISO 8501-1).</p> <p><u>Earlier painted surfaces:</u> Roughen old paint surfaces using e.g. abrasive wheel, sand paper or blast cleaning.</p>
Primer	Temabond WG 300 and Temabond WG 200.
Finish	Temacoat GPL, Temacoat GPL-S MIO, Temacoat GPL-S Primer, Temacoat GS 50, Temacoat RM 40, Temadur, Temathane, Temacryl EA, Temabond WG 300 and Temabond ST 300.
Application conditions	All surfaces must be dry. The temperature of the ambient air and the surface should not fall below - 5°C during application and drying. The temperature of the paint should be at least +15°C. Relative humidity should not exceed 80%. The surface temperature of the steel should remain at least 3°C above the dew point.
Mixing 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.
Application	By airless spray or brush. If necessary, the paint can be thinned 0-10%. Airless spray nozzle tip 0.013"-0.019" and nozzle pressure 120-180 bar. Spray angle shall be chosen according to the shape of the object.
Thinner	Thinner 1031.
Cleaning of equipment	Thinner 1031.
VOC	The Volatile Organic Compounds amount is 300 g/litre of paint. VOC content of the paint mixture (thinned 10% by volume) is 350 g/l. Only for industrial and professional use.
HEALTH AND SAFETY	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.