

## Temabond WG 200

### DESCRIPTION

A two component, low temperature curing, aluminium pigmented high-solids modified epoxy paint.

### PRODUCT FEATURES AND RECOMMENDED USES

- ◆ Good chemical, solvent and abrasion resistance, due to the aluminium pigments.
- ◆ Especially used as a primer for steel surfaces difficult to clean in process and chemical industry and in water immersion.
- ◆ Excellent adhesion to blast cleaned or hand prepared steel.
- ◆ High film build properties, also by brush.
- ◆ Recommended for repainting and touch-up painting of bridges, cisterns and different types of steelwork and equipment in wood-processing and chemical industry, such as paper machines, conveyors, tubular bridges etc.
- ◆ Recommended for repairing of damages caused by transport or installation.
- ◆ Low solvent content - lower solvent emissions than with traditional epoxy paints.
- ◆ Can also be applied on old alkyd paint surfaces and as a single coat paint.

### TECHNICAL DATA

**Volume solids** 80 ± 2 %. (ISO 3233)

**Weight solids** 83 ± 2 %.

**Specific gravity** 1.3 kg / l (mixed)

**Mixing ratio and product codes**

Base	1 part by volume	008 7510
Hardener	1 part by volume	008 7519

**Pot life** 1½ hours (23 °C)

### Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
dry	wet	
100 µm	125 µm	8.0 m <sup>2</sup> /l
200 µm	250 µm	4.0 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 times

DFT 150 µm	-5 °C	0 °C	+ 5 °C	+ 10 °C	+ 23 °C
Dust dry, after	18 h	14 h	6 h	3 h	2 h
Touch dry, after	48 h	36 h	17 h	9 h	5 h
Recoatable, min. after	48 h	36 h	17 h	9 h	5 h
Recoatable without sanding, max. after	2 months	2 months	2 months	1 month	14 d

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

**Finish** Semigloss.

**Colours** Aluminium. The colour will change in outdoor use.

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## APPLICATION DETAILS

<b>Surface preparation</b>	<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>
<b>Primer</b>	Temabond WG 200.
<b>Finish</b>	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.
<b>Application conditions</b>	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.
<b>Mixing components</b>	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.
<b>Application</b>	<p>By airless spray or brush. Depending on the temperature of the components 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.</p> <p>At brush application the paint should be thinned according to the circumstances.</p>
<b>Thinner</b>	Thinner 1031.
<b>Cleaning of equipment</b>	Thinner 1031.
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 220 g/litre of paint.</p> <p>VOC content of the paint mixture (thinned 10 % by volume) is 280 g/l.</p> <p>Only for industrial and professional use.</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>

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