



# Temabond ST 200

## DESCRIPTION

A two component high-solids, aluminium pigmented modified epoxy maintenance paint for demanding surfaces.

## PRODUCT FEATURES AND RECOMMENDED USES

- Due to the aluminium pigmentation forms a very tight coat with good chemical and abrasion resistance
- Used in systems for repainting and touch-up painting of steel surfaces difficult to clean such as bridges, cisterns and different types of steelwork and equipment in wood-processing and chemical industry
- An ideal solution for maintenance painting due to very good adhesion even to hand prepared steel.
- As a high-solids product Temabond ST 200 has lower VOC emissions than traditional epoxy paints
- Resists immersion in water and can therefore be used e.g. in steel structures in water and soil immersion
- High film build properties, also by brush
- Can also be applied on old alkyd paint surfaces
- Can be used as a single coat paint
- Winter grade version Temabond WG 200 can be cured at lower temperatures
- Recommended for repairing of damages caused by transport or installation

## TECHNICAL DATA

**Volume solids** 80±2% (ISO 3233)

**Weight solids** 87±2%

**Specific gravity** 1.4 kg / l (mixed)

**Mixing ratio**  
Base 1 part by volume Temabond ST 200  
Hardener 1 part by volume 008 7501

**Pot life (+23°C)** 1½ hours

## Recommended film thicknesses and theoretical coverage

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

DFT 150µm	+10°C	+23°C	+35°C
Dust dry, after	6 h	3 h	1½ h
Touch dry, after	14 h	5½ h	3½ h
Recoat with polyurethane and epoxy, after	30 h	8 h	5 h
Recoat without sanding, after max.	2 months	1 month	7 d

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

## Gloss

Semi-gloss.



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### Color shades

Aluminium (Temaspeed Premium tinting for reddish aluminium). The colour will change in outdoor use

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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: 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>Earlier painted surfaces: Roughen old paint surfaces using e.g. abrasive wheel, sand paper or blast cleaning.</p>
<b>Recommended primers</b>	Temabond ST 200, Temazinc 77, Temazinc 99, Temacoat SPA Primer, Temacoat Primer.
<b>Recommended topcoats</b>	Temacoat GPL, Temacoat GPL-S MIO, Temacoat GPL-S Primer, Temacoat GS 50, Temacoat RM 40, Temabond ST 300, Temacryl EA 50, Temadur 10, Temadur 20, Temadur 50, Temadur 90, Temadur HB 50, Temadur HB 80, Temathane 50, Temathane 90, Temathane PC 50, Temathane PC 80, Temacoat SPA 50, Temacoat Primer.
<b>Application conditions</b>	<p>All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +10°C during application and drying. Relative humidity of the air should not exceed 80% during application and drying. The surface temperature of 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.</p> <p>Note! There is a natural tendency of this coating to chalk, discolor or yellow unevenly. It is recommended to use polyurethane topcoat when there are high aesthetical requirements on color appearance.</p>
<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 approximately 0–10%. Recommended nozzle tip is 0.013"–0.019" and pressure 140–180 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For brush application product should be thinned according to the circumstances.</p>
<b>Thinners</b>	Thinner 1031
<b>Cleaning of equipment</b>	Thinner 1031.
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 200 g/litre of paint mixture.</p> <p>VOC content of paint mixture (thinned 10 % by volume) is 260 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> <p><b>For industrial and professional use only.</b></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.