

# CERABOND 2000

**Product description:**

CERABOND 2000 is a combination of heat resistant alloy and heat resistant silicate solution producing an inorganic rust preventive coat mechanically adhered to the steel and giving an effective and long-term protection against corrosion without suffering from blistering and loss of adhesion.

It is compatible with organic overcoatings as well as with inorganic overcoatings.

CERABOND 2000 is extremely resistant to heat (up to 800 degree C) and secondary surface preparation cost can be decreased.

It has excellent welding and cutting properties and presents no health hazard to the welder.

CERABOND 2000 has been approved by Lloyd's Register of Shipping as a shop primer which is suitable for welding.

**TECHNICAL DATA**

<b>Type:</b>	Fast weldable & heat resistant inorganic zinc silicate shop primer.		
<b>Recommended use:</b>	As a shop primer for primary protection of blast-cleaned steel. As a general purpose rust-preventing primer for organic and inorganic overcoating, and also as a heat resistant paint.		
<b>Surface Preparation:</b>	Prior to blast cleaning the surface must be clean, dry and free of oil and grease. Abrasive blast clean to a visual standard at the time of painting in accordance with ISO-Sa 2.5. Surface roughness 50 - 100 microns.		
<b>Physical Data:</b>	Colour:	Green, Grey, Brown, Violet	
	Flash point:	18°C (Mix)	
	Volume solids %:	33 ±2	
	VOC (Theoretical):	601 g/l.	
<b>Application Details:</b>	Mixing ratio:	Paste: 39	Base: 61 (by volume)
	Thinner:	INORGANIC SHOP THINNER A	
	Temperature:	-5°C - 40°C, preferably 0°C to 40 °C	
	Surface temperature:	Dew point + minimum 3°C, Max: 60°C (preferably 50°C)	
	Max. humidity:	85% R.H.	
	Application Data:	Airless spray Add the base to the paste whilst mixing. Stir well before use	
<b>For airless spray:</b>	Tip No.:	Graco 617, 929, or other equivalent.	
	Paint output pressure:	3.8 - 8.9 Mpa	
	Thinning:	5 - 35 % (by volume)	
<b>Film thickness and spreading rate:</b>	Min.	Max.	
	Film Thickness, wet:	30	91 µm
	Film Thickness, dry:	10	30 µm
	Spreading Rate:	33,0	11,0 m <sup>2</sup> /l (theoretical)
<b>Preferable preceding coating:</b>	-		
<b>Preferable subsequent coating:</b>	Most of our products or the equivalents.		
<b>Packing:</b>	Two Pack Product		

Notes: Oleoresinous paints over CERABOND 2000 are not recommended on damp (often sweaty) surfaces or underwater areas.

Temperature	Drying time (at DFT 15 μ)	Overcoating interval (at DFT 15 μ)	Induction time	Pot life	Dry to launch	Remarks
-5 °C	-	-	-	-	-	-
0 °C	-	-	-	-	-	-
5 °C	Surface dry:3 min Hard dry 6 min	Min.: (Organic)14 days Max.: 180 days	-	36 hours	-	(Inorganic) Min.16 hrs
10 °C	Surface dry:3 min Hard dry 5 min	Min.: (Organic)10 days Max.: 180 days	-	30 hours	-	(Inorganic) Min.8 hrs
20 °C	Surface dry:2 min Hard dry 4 min	Min.: (Organic) 7 days Max.: 180 days	-	24 hours	-	(Inorganic) Min.4 hrs
30 °C	Surface dry:1,5min Hard dry 3 min	Min.: (Organic) 7 days Max.: 180 days	-	15 hours	-	(Inorganic) Min.4 hrs

**Safety information:** If Health, Safety and Environmental information is required a Health and Safety Data Sheet can be obtained from Chugoku Paints B.V.

Personal Protection advice and additional information can be obtained from the product Health and Safety Data Sheet which is available on request. The minimum safety precautions in dealing with this paint are:

- Observe the precautionary notices displayed on the container.
- Provide adequate ventilation.
- Avoid skin contact and inhalation of spray mist.
- If the product comes into contact with the skin, wash thoroughly with luke warm water and soap or suitable cleaner. If the eyes are contaminated, irrigate with water and seek medical advice immediately.
- Since the product contains flammable materials, keep away from sparks and open flames. No smoking should be permitted in the area.

<b>Definitions:</b>	Tolerances:	The numerical information quoted in this Technical Data Sheet is subject to normal manufacturing tolerances.
	Spreading Rate:	The spreading rate can vary depending on application conditions, the geometrical complexity of the structure, the weather conditions, etc.
	Volume Solids:	The volume solids figure given in this Technical Data Sheet is the percentage of dry film obtained from a given wet film thickness under specified application rate and conditions measured by the Chugoku Standard Method corresponding to ASTM method D2697.
	Overcoating Intervals:	The intervals given assume preparation consistent with good painting
	Hard dry:	The time taken until the product can be walked on without damaging it.
		Time taken until full mechanical strength is obtained is longer.
	V.O.C.:	Theoretical quantity of volatile organic compounds in g/l.

**Disclaimer:** Data, specifications, directions and recommendations given in this data sheet represent test results or experience obtained under controlled or specially defined circumstances. Their accuracy, completeness or appropriateness under the actual conditions of any intended use is not guaranteed and must be determined by user. Product data is subject to change without notice and automatically void two years from issue. All legal relations of Chugoku Paints B.V. will be governed by the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. as last filed with the district court of Rotterdam and upon request they will be made available without charge. Chugoku Paints B.V. explicitly rejects the applicability of any General Conditions, which its contractual parties may use. Exclusive jurisdiction: competent Court in Rotterdam.

The Inspector will undertake to the best of their ability, to carry out assistance during application of the products delivered by Chugoku, by only rendering advice in connection with the application at site. The Inspector undertakes to carry out the project in a conscientious manner, but Chugoku and/or the Inspector will not accept any kind of liability, direct or indirect, if the project does not give the results expected. Under all circumstances, the Buyer remains responsible for the execution of the project. Any advice and/or assistance rendered by the Inspector will be subject to such (final) responsibility of the buyer, and moreover subject to the Uniform Terms of Sale and Delivery of Chugoku Paints B.V. Even when damages or delays have been caused by faults or negligence on the side of Chugoku and/or the Inspector, such will not result in any liability whatsoever of Chugoku or the Inspector. Liability of both Chugoku or the Inspector for any consequential damages is explicitly excluded.

Some products have been specially modified to adapt to specific European requirements with regard to European-, national- and local laws and regulations or with regards to specific European use requirements. As a result some physical properties in a TDS may differ from those given in the original Japanese TDS.