

CMP RMA FINISH HG

Product description:

CMP RMA FINISH HG is a new two component high solid topcoat which is isocyanate-free resin based on Real Michael Addition. This new technology which gives CMP RMA FINISH HG unique properties, like fast drying and dry fall.

Typical use:

Recommended for offshore environments, refineries, power plants, bridges, buildings and general structural steel
Suitable for a wide range of industrial structures.

Certificates / approvals:

Certificates and approvals may be available on request.

ISO 12944-6 --> up to C5VH

ISO 12944-9 --> CX

ISO 16474, high expected durability

Physical Data: (Mixed product)

Number of components:	Two Pack Product	
Colours:	Various	
Gloss:	High gloss	
Volume solids %:	77 ±2	(ISO 3233-3)
Theoretical spreading rate:	15,4m ² /l	
Flash point:	36°C (Mix)	(ISO 3679)
Specific gravity:	1.41 Kg/l depending on colour	
Dry to touch:	0.2 hours at 20 °C	(ISO 9117-4)
Hard dry:	0.6 hours at 20 °C	(ISO 9117-4)
VOC (Theoretical):	193 g/l	

Recommended substrate conditions:

All surfaces to be coated should be clean, dry and free from contamination. Prior to paint application all surfaces should be assessed and treated in accordance with ISO 8504:2019.

Primed Surfaces

The primer surface should be dry and free from all contamination and CMP RMA FINISH must be applied within the overcoating intervals specified (consult the relevant product data sheet). Areas of breakdown, damage etc., should be prepared to the specified standard and patch primed prior to the application of CMP RMA FINISH HG.

Note when using CMP RMA FINISH HG not all primed. surfaces are suitable for this product, please only use discribed products mentioned in this TDS

Mixing

Material is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Once the unit has been mixed it must be used within the working pot life specified.

(1) Agitate Base (Part A) with a power agitator.

(2) Combine entire contents of Curing Agent (Part B) with Base (Part A) and mix thoroughly with power agitator.

Application conditions

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 0°C. The temperature of the paint itself should be: 15-25°C. In confined spaces provide adequate ventilation during application and drying. It is important that the surface is completely clean to ensure the adhesion. Any oil, grease, etc. to be removed by suitable detergent.

Preceding coatings:

CMP EPIPRIME series

CMP EPICURE series

Application data:

Version, mixed products	CMP RMA FINISH HG
Recommended Thinner:	CMP RMA THINNER
Mixing ratio:	Base: Curing agent: 537MM 537MM0000 91 : 9 (by volume) 94,3 : 5,7 (by weight)
Application method:	Airless spray, brush, roller*
Recommended thinner volume:	0 - 5%
Nozzle orifice:	0.019 - 0.021"
Nozzle pressure:	18.0 - 25.0 Mpa
Indicated film thickness, wet:	Min: 65µm
Indicated film thickness, dry:	Min: 50µm
Min. Temperature:	0 °C
Pot life:	24 hours @ 20 °C

Humidity:	85% R.H.
Overcoat interval, min:	See ADDITIONAL APPLICATION DATA
Overcoat interval, max:	See ADDITIONAL APPLICATION DATA

Add the Curing agent to the base whilst mixing. Stir well before use.

Notes: * In case of brush or roller application more layers may be required to achieve the specified film thickness.
When painting edges and welds, stripe coating is recommended.

Additional application data:

Application conditions:

Apply only on a dry and clean surface with a temperature above the dew point to avoid condensation. Use only where application and curing can proceed at temperatures above: 0°C. The temperature of the paint itself should be: 15-25°C. In confined spaces provide adequate ventilation during application and drying. It is important that the surface is completely clean to ensure the adhesion. Any oil, grease, etc. to be removed by suitable detergent.

Overcoating:

Overcoating intervals related to later conditions of exposure: If the maximum overcoating interval is exceeded, roughening of the surface is necessary to ensure intercoat adhesion. Before overcoating after exposure in contaminated environment, clean the surface thoroughly with high pressure fresh water hosing and allow drying. A completely clean surface is mandatory to ensure intercoat adhesion, especially at long overcoating intervals. Any dirt, oil, grease, and other foreign matter must be removed with suitable detergent followed by (high pressure) fresh water cleaning. Salts to be removed by fresh water hosing. Any degraded surface layer, as a result of a long exposure period, must be removed.

Curing time and over-coating data:

Temp.	Surface dry (at 50µ DFT)	Hard dry (at 50µ DFT)	Fully cured (at 50µ DFT)	Over-coating Interval Min.	Over-coating Interval Max.	Pot life
-5 °C	-	-	-	-	-	-
0 °C	8.4 hours	10.6 hours	15.4 hours	9 hours	180 days	24 hours
5 °C	-	-	-	-	-	-
10 °C	1.5 hours	2.2 hours	5.2 hours	2 hours	180 days	24 hours
20 °C	0.2 hours	0.6 hours	1.6 hours	1 hour	180 days	24 hours
30 °C	-	-	-	-	-	-

Notes: * In case of brush or roller application more layers may be required to achieve the specified film thickness.
When painting edges and welds, stripe coating is recommended.

Spreading rates:

Dry Film Thickness	Theoretical Spreading rate
50 µm	15,4 m ² /l

Storage:

24 months minimum at 20°C. Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition. Elevated storage temperatures reduce shelf life.

Color variation:

When applicable, products primarily meant for use as primers or antifouling may have slight color variations from batch to batch. Such products may fade and chalk when exposed to sunlight and weathering.

Color and gloss retention on topcoats/finish coats may vary depending on type of color, exposure environment such as temperature, UV intensity etc., and application quality. Contact your local Chugoku Paints B.V. office for further information.

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 and vapours.
- 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.

Definitions:	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 if not otherwise indicated.
	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.

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