



GALBON S-HB

Product description:

GALBON S-HB is a highly effective inorganic anticorrosive paint, normally used in cargo tanks of product carriers. GALBON S-HB shows excellent chemical resistance to solvents such as methanol. GALBON S-HB withstands temperatures up to 400°C. A film thickness of 50 - 100 micron can be achieved in one application.

TECHNICAL DATA

Type: Inorganic zinc silicate, alcohol soluble and self curing, high build type.

Recommended use: As a prime coat for abrasive blasted steel. Typically used as primer for steel in paper mills, power plants, refineries, bridges and in coastal or salt environments, including offshore and marine structures.
As a protective coating for oil tanks, solvent tanks, ballast tanks, outside hull, deck, heating pipes, holds and other steel structures. As a heat resistant paint.

Surface Preparation: In case of direct application to the steel surface, ISO-Sa 2,5 is required as surface preparation. In case of overcoating to the shop primer surface, ISO St 3 is required as surface preparation.

Physical Data:

Colour:	Grey
Flash point:	17°C (Mix)
Volume solids %:	60 ±2
VOC (g/l):	462 Theoretical

Application Details:

Mixing ratio:	Powder: 30	Base: 70	(by volume)
Mixing ratio:	Powder: 75	Base: 25	(by weight)
Thinner:	INORGANIC SHOP THINNER H		
Temperature:	0 - 50 °C		
Max. humidity:	50 - 95% RH		
Application Data:	Airless spray, brush (only for touch up)		
	Add the base to the powder whilst mixing. Stir well before use.		

For airless spray:

& Tip No.:	Graco 419 - 519
Paint output pressure:	9.0 - 12.0 MPa
* Thinning:	0 - 7% (by volume)

Film thickness and spreading rate:

	Min.	Max.	
Film Thickness, wet:	83	125	µm
Film Thickness, dry:	50	75	µm
Spreading Rate:	12,0	8,0	m²/l (theoretical)

Preferable preceding coating: GALBON S, GALBON SP, WELBOND, CERABOND

Preferable subsequent coating: Any one of our products and/or the equivalent, e.g. inorganic zinc paint, chlorinated rubber paint, epoxy paint, etc.

Packing: Two Pack Product

Notes: In case an organic top coat is applied, the dry film thickness of GALBON S-HB should be controlled at 50 - 100 microns. Recommended dry film thickness is 65 microns. Before subsequent coating is applied, all chalks (if existing), all zinc salts (white rusts) and any contaminations should be removed. Normally subsequent first coat is required by its mist coat (depend on the property of subsequent coat). During application, mixed paint should be stirred slowly and constantly to avoid zinc pigment settling. Mist coat is needed before application of subsequent coat (organic paint).



Overcoatability

Temperature	Drying time (at DFT 50 µ)	Overcoating interval (at DFT 50 µ)	Induction time	Pot life	Remarks
-5 °C	-	-	-	-	-
0 °C	-	-	-	-	-
5 °C	Surface dry:40 min Hard dry 6 hours	Min.: 72 hours Max.: 14 days	-	14 hours	* 24 hours
10 °C	Surface dry:30 min Hard dry 5 hours	Min.: 32 hours Max.: 10 days	-	10 hours	* 20 hours
20 °C	Surface dry:20 min Hard dry 4 hours	Min.: 24 hours Max.: 7 days	-	7 hours	* 16 hours
30 °C	Surface dry:10 min Hard dry 3 hours	Min.: 18 hours Max.: 7 days	-	5 hours	* 10 hours

4 Hours after application post-curing is necessary. Please contact CMP Technical Department for more details.
Mentioned paint interval if for organic paints. Overcoating by GALBON S-HB, the painting interval is equal to hard dry.
When humidity is below 50% RH, longer curing time is required.

* In case of the application for product carrier, this painting interval should be adopted.

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.

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.

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.