



Kovitar H.B. VH137

Product Description A blend of high quality coal-tar pitch and vinyl resin based rust-prevention coating for immersion service. It provides tough and high-build film with excellent water repellent properties. It is a quick drying type coatings and resistant against salt water and cold flow, but limited resistance against aromatic solvents, such as xylene and toluene. It can be applied to grain cargo hold with its harmless property. Applicable at low temperature, and offers a suitable alternative where temperature restrictions preclude the use of coal tar epoxy coating.

Recommended Use For the protection and maintenance of permanently submerged steel and of steel surfaces not exposed to sunlight, e.g. ship's bottom, etc.

Physical Properties

Finish and Color Flat. Black, Brown

Drying Time

Substrate temperature	5 °C/41 °F	20 °C/68 °F	30 °C/86 °F
Set to touch	4 h	1 h	30 min
Dry through	24 h	6 h	4 h

* The actual drying time is subject to the film thickness, ventilation, humidity etc., and drying time under other temperature conditions should be checked and informed by KCC.

Solids by Volume Approx. 37 % (Determined by ISO 3233)

Theoretical Spreading Rate 4.93 m²/L in 75 μm dry film thickness on a smooth surface.

Specific Gravity Approx. 1.2

Flash Point 25 °C/77 °F (Closed cup)

Application Details

Surface Preparation Remove any oil grease, dirt and any other contaminants from the surface by proper method such as solvent cleaning and fresh water washing, etc.

* Steel : Blast cleaning to Sa2.5 or Power tool cleaning to St3, etc.

Application Conditions The surface should be completely cleaned and dried. Do not apply when relative humidity is above 85 %. The surface temperatures should be at least 2.7 °C (5 °F) above dew point to prevent condensation. In confined areas, ventilate with clean air during application to assist solvent evaporation.

Preceding Coat Kovitar H.B. VH137 or according to specification.

Thinning Thinner No. 025

Disclaimer : The information in this data sheet is believed to the best of our knowledge based on laboratory test and practical experience. However, there are many factors affecting the performance of product and the product quality itself, so we are not able to guarantee without the confirmation of the purpose of using the product from us in writing. We reserve the right to change the data without notice and you should check that this data sheet is current prior to using the product.

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Application Method	Spray (Airless or Air), Roller or Brush application. For airless spray application ; Nozzle orifice : 533 μm ~ 635 μm (0.021" ~ 0.025") Output pressure : 20.3 MPa ~ 25.5 MPa Fan : 60 ° (Airless spray data are indicative and subject to adjustment)
Typical Film Thickness	75 μm dry. May be specified in another film thickness than indicated depending on purpose and area of use.
Recoating Interval	At 20 °C/68 °F, Minimum : 6 h Maximum : Free Prior to overcoating, remove the oil, salt, chalking material and any other contaminants on aged coating film completely by proper cleaning methods such as solvent cleaning and/or fresh water washing.
Subsequent Coat	Kovynyl Sealer VH137AL or according to specification. Tar bleeding may be occurred into subsequent coat, but this effect is only cosmetic and has no negative influence on the performance of the coating system.
Shelf Life	12 months
Heat Resistance	Continuous : 66 °C/147 °F (Non-immersion service) Non-continuous : 82 °C/180 °F (Non-immersion service)
Standard Packing Unit	18 L
Remarks	Protect skin and eyes from direct contact with liquid paint, and avoid prolonged breathing of solvent vapors. Use with adequate ventilation. Respiratory protection is recommended during application in confined spaces or stagnant air. Keep away from sparks and open flames.
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