

PRODUCT DESCRIPTION

ChemShield 1606 is a high solids, fast curing, proprietary formulated novolac-based advanced hybrid cycloaliphatic lining designed for corrosion control in chemical plants, and any other areas requiring excellent chemical resistance in immersion conditions. CS 1606 can be applied in either a one coat application (up to 15 mils DFT) or a multiple coat application (to achieve a thickness up to 20 mils DFT). CS 1606 can be used to resist a wide range of chemicals, temperatures, and pressures. CS 1606 is a two-component system; Base and Hardener.

APPLICATION DATA SUMMARY

See Application Instructions for complete information on surface preparation, equipment, environmental conditions, application procedures, and safety precautions. For conditions outside the specifications or limitations described, contact Wolverine Coatings Corporation for details.

SURFACE PREPARATION

Coating performance is directly related to the quality and degree of surface preparation. Prior to overcoating, all surfaces must be clean, dry, undamaged, and free of all contaminants. For more specific information, consult the surface preparation section contained in the Application instructions.

SAFETY PRECAUTIONS

Read the Safety Data sheet carefully before use. Safety precautions in the SDS should be carefully followed during storage, handling and use. Improper use and handling can be hazardous to health and cause fire or explosion. For further information, please refer to our "Epoxy Resin Safety Handling Guide."

APPLICATION INFORMATION

Surface Preparation: All surfaces shall be clean and dry, free of dust, dirt, oil or any other foreign matter. Steel surfaces shall be abrasive blasted to SSPC SP-5, or NACE #1 "white metal" finish with a minimum 3.5 mil surface profile. Concrete surfaces shall be abrasive blasted to remove all laitance and other surface contaminants. For additional information regarding surface preparation specifications and techniques, please contact our technical services department.

Thinning: Not recommended or desired.

Handling: Store at moderate temperatures (65-85°F) prior to product application for ease of handling and mixing. Additional heating may be required and is recommended for spray application.

Mixing: Mechanically pre-mix each component; add the hardener into the resin and then mix the combined compound at 400-600 rpm for 3 to 4 minutes.

TECHNICAL DATA

| | |
|--|-------------------------|
| Weight, lbs/gal | 11.52 +/- 0.5 |
| Recommended Thickness, Mils DFT | 5 - 20 |
| Theoretical Coverage, mils sq.ft./gal | 1203 |
| VOC Content (mixed), g/l | <220 |
| Flash Point (mixed), °F | >100 |
| Pot Life, minutes @ 70°F | 3 hours |
| Shore D Hardness, min. | 70 |
| Color | Tan |
| Coverage to Achieve Dry Film Thickness, sq.ft./gal. | |
| Mils | SqFt / Gal |
| 6 Mils: | 201 |
| 15 Mils: | 80 |
| (Actual - allow for approximate loss of 10%) | |
| Drying Time (@ 77°F at 50% relative humidity) | |
| To Touch: | 4 Hours |
| To Handle: | 17 Hours |
| To Recoat: | Overnight |
| Maximum Recoat: | 2 Days |
| Cure Time* to Achieve a Minimum Shore D Hardness of 75: (@ 77°F and 50% relative humidity) | |
| For Immersion Service: | 3 Days with ventilation |
| *Force curing is required for low temperature applications to expedite curing process. | |

TYPICAL USES

| |
|--|
| * Steel and fiberglass storage tank internals or pipelines |
| * High temperature tanks and process vessels |
| * Caustic Railcar service |
| * Chemical process floors and concrete containment areas |
| * Pulp and Paper Services (Excellent resistance to chlorine) |

BENEFITS

| |
|--|
| * Superior wide range chemical resistance |
| * High solids |
| * Flexible to reduce coating stress caused by "oil canning" effects |
| * High-build, easy to install monolithic application process (40-125 mils DFT) |
| * Excellent adhesion to steel, concrete and fiberglass substrates |
| * Does not require baking |

SHIPPING DATA

| | |
|---|---|
| Packaging: | 3 Gal Kits, 15 Gal Kits, 152.5 Gal Kits |
| DOT Class (resin) - Non regulated | |
| DOT Class (hardener) - Paint Related Material, 8, DOT Number UN 3066, III | |

CHEMICAL RESISTANCE

Summarized; for a more comprehensive list of chemical resistance, please refer to our Product Resistance Data Guide. Films cured for 7 (seven) days at 77°F are unaffected after 1 (one) year immersion at ambient temperatures.

| | |
|--------------------------------|------------------------|
| - Benzene | - Kerosene |
| - Crude Oil (sweet or sour) | - Mineral Oil |
| - Diesel Fuel | - Naphtha |
| - Fuel Oil | - Skydrol 500B |
| - Gasoline, all grades | - Water, distilled |
| - Gasoline, w/ 15% MTBE or TBA | - Xylene |
| - Hydraulic Oil | - Jet Fuel, all grades |

SAFETY

For your safety, all required personal protection equipment should be used when operating machinery or handling chemicals. Concrete dust is a source of silica particles and other hazardous materials that can cause silicosis and other illnesses. Proper safety equipment and methods are the responsibility of the installation company, general contractor, and/or facility owner.

WARRANTY

Wolverine Coatings Corporation warrants its products to be free from defects in material and workmanship. Wolverine Coatings Corporation's sole obligation and Buyer's exclusive remedy in connection with the products shall be limited, at Wolverine Coatings option, to either replacement of products not conforming to this Warranty or credit to the Buyer's account in the invoiced amount of the nonconforming products. Any claim under this warranty must be made by the Buyer to Wolverine Coatings in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the ship date, whichever is earlier. Buyer's failure to notify Wolverine Coatings of such nonconformance as required herein shall bar Buyer from recovery under this warranty.

Wolverine Coatings makes no other warranties about the product. No other warranties, whether expressed, implied, or statutory, such as warranties of merchantability or fitness for a particular purpose, shall apply.

Any recommendation or suggestion relating to the use of the products made by Wolverine Coatings, whether in its technical literature, or in response to specific inquiry or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyers having requisite skill and know-how in the industry, and therefore it is for the Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, at its sole discretion and risk. Variation in environment, changes in procedure of use, or extrapolation of data may cause unsatisfactory results.

LIMITATION OF LIABILITY

Wolverine Coatings Corporation's liability on any claims based upon Wolverine Coatings Corporation's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or parts thereof which give rise to the claim. In no event shall Wolverine Coatings Corporation be liable for consequential or incidental damages.

LITERATURE REVISION - TDS: ChemShield 1606 - Rev. 211230

Published literature is subject to change without notice. Wolverine Coatings Corporation is constantly engaged in the testing of existing formulations, the development of new innovative technologies, and the evaluation of the latest practices. The latest literature should always be consulted at www.wolverinecoatings.com.



Wolverine Coatings Corporation

5969 Highway 221 | Roebuck, SC 29376
Tel: (864) 587-3144 | Fax: (864) 587-3147
e-mail: Sales@WolverineCoatings.com
website: www.WolverineCoatings.com