

PRODUCT DESCRIPTION

ChemShield 5201 is a high performance coating which is rapid curing and chemical resistant for protection against general chemical exposures and immersion service.

ChemShield 5201 utilizes unique polyester technology, offering impermeability, short application time, and high abrasion resistance for maximum performance. With special additives, ChemShield 5201 can be applied in temperatures as low as -30oF to 160oF.

CHARACTERISTICS

The ChemShield 5200 Series is a custom designed coating system that is suitable for specific environmental exposures. This gives the coating an extremely high corrosion and chemical resistance in recommended uses. User friendly ChemShield 5200 Series is easily repaired by recoating.

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."

TYPICAL APPLICATIONS

- * Structural steel protection
- * Steel maintenance coating
- * Manhole and underground structure repair

APPLICATION INFORMATION

Method: Consult Wolverine Coatings Corporation's technical department for information on spray application. For smaller areas and repairs, a trowel may be used. *Caution* This product contains special abrasion resistant fillers that can be abrasive to tips, pump, and spray equipment. Wolverine Coatings is not responsible for damage or premature wear to equipment. It is the applicators responsibility to take this fact into consideration when evaluating projects utilizing this technology.

APPLICATION INFORMATION (CONTINUED)

Minimum Temperature of Application (Air): 45 °F, otherwise force curing is required.	
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: Pre-Mix resin component before adding other components. Add Activator 5000 (part B)/cobalt/DMA using the 'Component Mixing Guide' as a reference. After adding necessary components, mix material with a low-speed drill for 2-3 minutes until thoroughly mixed, with consistent color and uniform texture. *Refer to Page 2 for component mixing guide*	
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.	

TECHNICAL PHYSICAL DATA

Finish	Glossy
Colors	Clear*
Components	Two**
Curing Mechanism	Chemical Reaction
Recommended Minimum Dry Film Thickness	10 Mils
Theoretical Coverage (@10 Mils)	160 ft ² /gal
Volume Solids (calculated)	100%
Flashpoint (CC) (Applied over Steel or Concrete)	Resin °F / °C - 89/31 Catalyst °F / °C - 180/82
Primer	Self Priming
Pot Life	°F / °C - 70/21 Hrs - 1/2
Curing Time	°F / °C - 70/21 Hrs - 1
Shelf Life	Stored indoors @ 40°F to 70°F Max 1 Year from date of shipment (Shelf life rapidly reduced above 85°F)
* Colormend 7250 Color Packs may be added for standard colors. Custom colors available.	
** Additional components may be necessary for color and low temperature cure. See 'Mixing' section.	

COMPONENT MIXING GUIDE

Surface Temperature (°F)	Initiator 5000 (MEKP) (oz./gal resin)	Accelerator 50 (Cobalt) (cc/5 gal)	Accelerator 53 (DMA) (cc/5 gal)
90 - 160	1.29		
70 - 89	1.29 - 2.58		
56 - 69	2.58 - 3.2		5 - 10
35 - 55	3.2	5	10 - 30
10 - 34	3.2	5 - 20	30 - 60
0 - 9	3.2	20 - 30	60 - 70
-30 to -1	3.2	30 - 40	70 - 80

SHIPPING DATA

Packaging:	3 Quart Kits, 3 Gal Kits, 15 Gal Kits, 152.5 Gal Kits
DOT Class 55 (resin) - Non regulated	
DOT Class 55 (hardener) - UN 3066, Paint Related Material, 8, III	

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 5201 - Rev. 230719

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.



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