



# PolyArmor *PCM101 Primer*

## TECHNICAL DATA SHEET

POLYARMOR PCM101 PRIMER is a 100% solid two-component spray applied Polyurethane foam used in conjunction with the PolyArmor PCM101 Top Coat. The primer fills gaps to optimize coverage of the top coat. Recommended for priming mine wall substrates prior to application of PolyArmor PCM102 Top Coat.

### FEATURES

- Adhesion to Various Substrates

### RECOMMENDED USES

- Ground Support
- Mine Shaft Liner

### TECHNICAL DATA

	Units	Values
Mix Ratio by Volume		1A:1B
Density	pcf	12
Cream Time	sec	2-5
Rise Time	sec	5-8
Tack Free Time	sec	9-15
Surface Exotherm	°F	170-250
Skin Formation	n/a	Yes

\*BASED ON LAB SAMPLES

NOTE: PHYSICAL PROPERTIES MAY VARY ON THE TYPE OF SPRAY EQUIPMENT USED. THE END USER SHOULD CHECK THE SUITABILITY OF THIS PRODUCT PRIOR TO USE

**PRECAUTIONS:** Part-A contains an Isocyanate. Before using, refer to Safety Data Sheets (SDS). Ensure the same safe working methods are followed for all persons in the work area. Wear suitable protective clothing, rubber gloves and safety goggles with side shields during mixing and application. Respiratory masks should be worn at all times. Contact with skin-wash immediately with soap and water. Contact with eyes-rinse immediately with lots of water and seek medical attention. Keep away from children. **NOTICE:** Read all the information in this product information bulletin, and safety data sheet (SDS) before applying any material. The information contained herein is for the purpose of identifying the product and does not constitute a warranty or guaranty that the product will conform to this description. Product specifications and performance will vary depending on application methodologies, raw materials and other factors. All published information and specifications are subject to change without notification. Technical data shown in product data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors. All recommendations, statements and technical data contained in this data sheet are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind. Satisfactory results depend upon many factors beyond the control of The Hanson Group, LLC. User shall rely on their own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from their direct use, indirect use or consequential to their use of the product. The Hanson Group, LLC shall not be liable to the buyer or any third party for any injury, loss or damage directly or indirectly resulting from use or inability to use the product. Products manufactured by The Hanson Group, LLC are free of defects for a period of one (1) year from time of manufacture. Liability and buyer's remedy under this limited warranty shall not exceed the purchase price of the materials in question. PolyArmor® is a trademark registered in the US Patent and Trademark Office. The marks of The Hanson Group, LLC, its divisions, slogans, emblems, other marks appearing in this document are the trademarks and/or service marks of The Hanson Group, LLC, its subsidiaries, affiliates or licensors.



## **SURFACE PREPARATION**

Due to varying substrate conditions, please consult with your Hanson representative to discuss the appropriate surface preparation for you project.

## **COLOR**

Natural.

## **COVERAGE RATE**

Will vary based on surface profile.

## **PACKAGING**

50 gallons part-A (Isocyanate) and 50 gallons part-B (Resin) packaged in 55 gallon drums.

## **MIXING PROCEDURES**

Do not dilute PolyArmor PCM101 Primer under any circumstances. Adequately blend PolyArmor PCM101 part-B to a homogenous state prior to use. Avoid encapsulating any air during mixing.

## **STORAGE**

PolyArmor PCM101 Primer has a shelf life of 6 month from the date of manufacture, in factory-sealed containers. Never store directly on concrete surface, always store on pallets. Storage temperature for part A and part B is between 59° F - 85° F (15° C - 30° C), avoid freezing temperatures. Keep containers sealed tightly to eliminate any condensation, moisture, or water contamination in part A or B. Blanket any opened containers of part A or B with Nitrogen.

## **EQUIPMENT CLEAN UP**

Immediately clean equipment with an environmentally safe solvent, as permitted by local regulations. Cured or dried material may be removed by mechanical means. Know your equipment and how to perform routine maintenance.

## **SPECIFICATION AND FIELD ASSISTANCE**

Contact the Hanson Group for specification assistance.

## **APPLICATION**

Prior to application, precondition both Part-A and Part-B to 75°F - 80°F (24°C - 27°C) before applying. Fit Part-A with a desiccant drying device. Apply PolyArmor PCM101 Primer using plural component, high pressure 1:1 ration heated spray equipment. PolyArmor PCM101 Primer should be sprayed in a smooth pattern to establish uniform thickness.

## **TYPICAL SPRAY MACHINE REQUIREMENTS**

- Capacity minimum 20 lbs. per minute
- Static pressure 1800 – 2400psi
- Spraying pressure 1500 - 2200psi
- Pressure balance 100 variance desirable
- 300 psi variance maximum
- Temperatures, preheaters & hose 150°F each. Check with your local representative.



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