

Technical Datasheet

Prime Guard 7400



Polymer lining system

Description

Two-component, 100% solids, zero VOC all-purpose polymer (polyurea) lining system designed to provide seamless surface protection of concrete and metal. This is a hot spray applied material and our highest performing aromatic polyurea coating.

Primary Applications

- Tanks
- Pipes
- Secondary containment
- Walls
- Floors
- Railcars
- Chutes

Advantages

- Excellent adhesion
- Excellent tensile strength and elongation
- -40 to 250°F (-40 to 121°C) ambient temperature stability range
- High chemical and abrasion resistance
- -40 to 250°F (-40 to 121°C) service temperature

Packaging

- 100 gallon drum sets
- 500 gallon drum sets

Technical information: Physical properties at 73°F (23°C)

Properties will vary depending upon site conditions, application method, mixing method and equipment, material temperature, and curing conditions.

Test Data		
Solids content	100%	
Colors	Gray, natural, white, black, dark blue, etc.	
Cure time (at 170°F (77°C))	20 sec gel time	40 - 90sec tack free time
Foot traffic	2 hours	
Vehicle traffic	24 hours	
Adhesion	> 1800 psi	ASTM D-4541
Hardness (shore D)	55 D	ASTM D-2240
Flexibility (1/8 mandrel)	72°F (22°C), pass	ASTM D-1737
Tensile strength	3000 psi	ASTM D-638
Elongation	190%	ASTM D-638
Flashpoint	> 200°F (93°C)	ASTM Pensky-Martin
Coverage	40 square feet (3.72 square meters) / gallon @ 40 mils	



Accessory Products

HydroLock primer

Directions For Use

Mixing Ratio:

A:B 1:1 by volume

Must use a plural component, high pressure, heated proportioned pump such as the PMC GH-40-809-A30.

Material Preparation: Store material overnight to precondition to 70-80°F (21-27°C) prior to use. Pre-mix B component prior to combining. Thoroughly mix using a 34" tall drum bung mixer with folding impellers such as the IPM DM-101. Failure to properly pre-mix will result in uncured or improperly cured material.

Limitations: Do not use below 20°F (7°C). Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely.

Storage & Clean Up

Storage: Store in dry environment between 60 and 95°F (16-35°C). Do not allow product to freeze. Shelf Life: 1 year from date of manufacture in unopened containers properly stored. Protect from moisture.

Clean Up: Clean off skin with soap and water immediately.

Environmental Protection

Cured material is environmentally safe. Dispose of in accordance to appropriate regulations. Clean up any spilled catalyzed liquid material and dispose of according to local, state and federal regulations.

Shipping

Shipping Class: UN1760, Class 8

Hazard Classification: A material - not regulated

B material - Class 8 corrosive. Polyamines, liquid corrosive, n.o.s. (polyoxypropylenediamine)

Health & Safety

Safety: Use OSHA-approved personal protective equipment (PPE), including Tyvec suit, safety glasses, gloves and confined space equipment/procedures if applicable. Avoid skin contact; do not ingest. See SDS for complete safety precautions. For professional use only

First Aid

Eye Contact: Immediately flush with large amounts of water. Seek medical attention. **Inhalation:** Move to fresh air if symptoms occur. If breathing is difficult, seek medical attention. **Ingestion:** Seek medical attention immediately. **Skin Contact:** Wipe off contaminated area and wash with soap and water immediately.

Manufacturing

Products manufactured by Prime Resins, Inc. in U.S.A. under strict quality assurance practices at our Conyers, GA plant.

Warranty & Disclaimer

Prime Resins, Inc. warrants its products to be free from manufacturing defects and that products meet the published characteristics when tested in accordance with ASTM and Prime Resins standards. No other warranties by Prime Resins, Inc. are expressed or implied, including no warranty of merchantability or fitness for a particular purpose. Prime Resins, Inc. will not be liable for damages of any sort resulting from any claimed breach of warranty. Prime Resins' liability under this warranty is limited to replacement of material or refund of sales price of the material. There are no warranties on any product that has exceeded the "shelf life" or "expiration date" printed on the package label.