

Technical Datasheet

Prime Coat 4500 Ultra Clear



UV stable, ultra-clear aliphatic polyurea coating

Description

Prime Coat 4500 Ultra Clear is a low viscosity, UV stable, ultra clear premium coating that offers a brilliant shine and super hard protection. This is a two-component, 100% solids, aliphatic polyurea coating.

Primary Applications

- Concrete floors and walls
- Most building materials

Advantages

- Ultra clear
- UV stable
- Brilliant shine
- Excellent flexibility
- 100% solids
- -40 to 200°F (-40 to 90°C) service temperature

Packaging

- 2 gallon units
- 10 gallon units

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.

Attributes			
	A	B	
Viscosity	600 centipoise	1400 centipoise	
Color	Water clear		

Test Data		
Pot life	35 minutes	
Tack free	45 minutes to 1 hour	
Flash point	> 200°F (93°C)	
Tensile strength	2,920	ASTM D-412
Tensile elongation	75%	ASTM D-638
Tear strength	375 PLI	ASTM D-624
Flexibility 1/8" mandrel	Pass	ASTM D-1737
Taber abrasion	40 mg loss	ASTM D-4060

Coverage: 160 square feet (14.86 square meters) / gallon @ 10 mils, 80 square feet (7.43 square meters) / gallon @ 20 mils, 50 square feet (4.65 square meters) / gallon @ 32 mils. Limit to 16 mils per coat in hot, humid climates. Use a porcupine roller to release air entrapment caused by excessive rolling.



Accessory Products

HydroLock primer

Directions For Use

Mixing Ratio:

A:B 1:1 by volume

Manual Mixing: Pre-mix each component prior to combining. Failure to properly pre-mix will result in uncured or improperly cured material. Only mix the amount of material that can be used within the pot life. To prevent bubble formation, avoid introduction of air into mixed material by controlling drill speed and mixing method. Thoroughly mix materials using a low speed drill with a mixing paddle. Scrape the sides and bottom of the pail while mixing. Note: Larger batches exotherm and set up faster than small batches.

Use a porcupine roller to release air entrapment caused by excessive rolling.

Limitations: Cold temperatures will slow down reaction time and increase viscosity. Do not use below 40°F (4°C). Material that is off ratio or not mixed thoroughly will not cure to full strength and may remain tacky indefinitely. Limit to 16 mils per coat in hot or humid conditions.

Storage & Clean Up

Storage: Store in dry environment between 40° and 80°F (4.4 - 27°C). Do not allow product to freeze. Shelf life: 6 months 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: More Freight Class 60

Hazard Classification: Not regulated

Health & Safety

Safety: Use OSHA-approved personal protective equipment (PPE), including 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.