

MantaCryl™ White Diamond 415

DESCRIPTION:

MantaCryl™ White Diamond 415 is a premium, architectural-grade elastomeric coating formulated for exceptional performance and energy efficiency. This highly flexible and reflective white coating extends the life of roofs, walls, and building exteriors while delivering a brilliant white aesthetic. 415 exceeds the performance requirements of ASTM D6083

FEATURES

- **Dazzling Whiteness:** MantaCryl™ White Diamond415 reflects sunlight and UV rays for a cooler roof and building, reducing energy consumption and cooling costs.
- **Superior Durability:** Resists cracking, peeling, and harsh weather conditions, providing long-lasting protection for your property.
- **Extended Roof Life:** Protects roofs from heat damage and thermal shock, promoting longevity and reducing maintenance needs.
- **Enhanced Water Resistance:** Offers additional protection in areas with high moisture exposure.
- **Flexible Properties:** Expands and contracts with building movement for a lasting, watertight seal.

PREPARATION

- Ensure the roof surface is clean, dry, and free of debris, dirt, oil, loose granules, and peeling paint.
- Clean rusty metal with a wire brush and prime with MantaPrime™ Multipurpose Primer 235 before application.
- Remove mildew and stains with a Manta Clean 101 (2:1 water to MantaClean ratio) and rinse thoroughly.
- Pressure washing is highly recommended for optimal results (use a wide fan tip to avoid damaging the roof).
- Repair all leaks and cracks with appropriate materials like polyester reinforcing fabric and MantaStics™ 318 Acrylic Mastics.
- Allow repairs to cure for 24-36 hours before applying the coating.
- Previously coated surfaces with aluminum, asphalt, or tar require a minimum of one summer season cure before applying this product.

APPLICATION:

- Wear protective clothing, gloves, and eyewear during application.
- Apply on a clear, warm, sunny day in the morning for maximum cure time.
- Ensure a minimum of 4 hours before sunset for complete application.
- Ideal application temperature range: 55°F (rising) to 110°F.
- Apply using a 3/4" nap exterior paint roller or professional airless sprayer.
- Apply one coat over all seams and joints, followed by a one-hour drying period.
- Apply two uniform coats over the entire roof surface, avoiding excessive rolling.

- Two coats are required for proper application (approximately 1.5 gallons per square foot per coat).
- Allow 4 hours for recoating and 24-36 hours for complete curing at 70°F and 50% relative humidity.
- Drying times may vary depending on factors like humidity, film thickness, airflow, and temperature.

SPRAY APPLICATION INFORMATION:

- Use a professional airless sprayer with the following settings:
- Pressure: 2000-3000 PSI
- Tip size: .030 - .041
- Material flow: 1-3 GPM

TECHNICAL DATA

Color:	Bright White
Dry time:	6 – 12 hours of temperature/sun exposure dependent
VOC	<50gal/liter
Density:	10.5-11.5 lbs./G
Solids by Volume:	52% ± 2
Solids by Weight:	65% ± 2
Packaging	5-gal, 55-gal, 275-gal tote
Shelf Life:	18 months (unopened, stored between 35°F - 75°F)
Clean Up:	Soap and Warm Water

APPROXIMATE SHIPPING WEIGHTS:

5 gallons (18.9L)	65 lbs.
55-gallon drum (208.2L)	700 lbs.
275-gallon tote (1,039.5L)	3400 lbs.

STORAGE AND DISPOSAL:

- Store in a cool, dry place in well-sealed containers. Maximum storage temperature is 100.4°F (38°C). Do not allow the product to freeze.
- Disposal: Dispose of contents and containers in accordance with local, regional, national, and international regulations.
- **Note:** Proper storage and disposal are essential for maintaining the product's quality and safety. Please follow all applicable regulations to ensure proper handling and storage.

SAFETY PRECAUTIONS:

- Causes skin irritation and allergic reactions.
- May cause severe eye damage, genetic defects, and cancer.
- Harmful with prolonged exposure.
- Follow all safety precautions on the product label and Safety Data Sheet (available at www.Mantarroof.com).

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