

PART #: DTP1025

DESCRIPTION: DuraTite® 1025 is a general purpose primer that provides excellent adhesion.

It will improve yield in polyurethane foam applications and improve system adhesion in aged asphalt, concrete, masonry, primed metal and wood. DuraTite 1025 can be used as a sealant to protect uncoated spray polyurethane foam. Contact Rhino Linings for specific application information.

TYPICAL USES:

- Coating over spray polyurethane foam (SPF), concrete, masonry, metal and single ply membranes
- Commercial and industrial roof coating

FEATURES & BENEFITS:

- A high quality, plasticizer free, single component, water-based, 100% acrylic elastomer jet black coating for spray, brush or roller application
- Designed with specialized polymers and wetting agents that maximize adhesion.
- DuraTite 1025 is available in jet black to provide rapid solar gain of substrates.
- Exhibits excellent adhesion to most surfaces including aged asphalt, SPF, primed metal, wood and concrete.
- DuraTite 1025 is permeable allowing trapped moisture to escape.
- Can be applied by spray, brush or roller.

CHEMICAL PROPERTIES:	Test	Result
Solids by Volume	ASTM D-2697	38% ± 2
Solids by Weight	ASTM D-1353	45% ± 2
VOCs	EPA Method 24	< 50 g/l
Density	ASTM D-1475	9.4 lbs. gal
Temperature Limit		0°F to 185°F
Shelf Life-Unopened Containers		12 Months

CHEMICAL PROPERTIES:	Test	Result
	Dry to Touch (75°F@50% R.H.)	4 hour
	Recoat Time	>6 Hours hours
	Complete Cure Time	24

**Dry and cure times are dependent upon mil thickness and temperature & relative humidity at the time of application. High temperatures and low relative humidity will accelerate the drying & curing process, while low temperatures and high relative humidity will slow the process. ** Actual coverage rates will be determined by substrate texture, roof conditions, and the skill and experience of the applicator.

SURFACE PREPARATION: DuraTite 1025 should be applied to dry, free of dust, dirt, oil, loose granules and gravel peeling coating and other foreign matter. For optimal results, power wash all surfaces with a minimum 2000 psi using a wide fan tip. All necessary precautions should be avoided to not damage the existing roof surface. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water and rinsed thoroughly. Patch and repair cracks or holes with appropriate sealants or caulking materials.

Equipment	
Airless sprayer capable of 2 ½ G.P.M. and 3000psi	Spray gun: Graco Hydra Mastic or equivalent
Synthetic Filament Brush	30:1 fluid to air ratio capable pump
¼" nap roller	Filter screen 30 mesh or larger

Hose lengths: (largest diameter at pump)	Spray Tip
3/8 minimum 6 ft wip	<i>Use reversible self-cleaning tip, always use components rated for pump pressures</i>
3/8 minimum I.D. up to 75 feet	
1/2 minimum I.D. up to 200 feet	Orifice size: .027 to .039
3/4 minimum I.D. over 200 feet	Fan angle: 40 to 50 deg.

Hose should be rated to 2x maximum pump pressure, hose lining should be compatible with coating and required cleanout materials.

(continued)

DURATITE® 1025P (continued):

NOT RECOMMENDED FOR: Do not use for continuous immersion service, in cryogenic tank or cold storage roofing applications without a vapor barrier. Do not use in conjunction with high solids silicone coatings. This product is not recommended for roof slopes less than 1/8" in 12" or where ponded water is present. Do not apply when the ambient temperature is below 50°F or if freezing conditions are a threat 24 hours after application. Do not apply if rain or dew is a threat prior to product drying completely. This product is not recommended for use with DuraTite 1395 high solids silicone.

APPLICATION INSTRUCTIONS: Spray or brush roll onto a clean dry surface. Mix well before use. Apply DuraTite 1025 at a rate of 1/2 gallon per 100 square feet. Application rate will increase when surface profile is not smooth. Optimum application is 8 wet mils. Always check adhesion to substrate and inter coat adhesion prior to starting the job.

HOW SUPPLIED: Chemical is packaged in 55 gallon (208 L) drum or 5 gallon (18.9L) pail.

COLOR OPTIONS: Standard colors: Black

STORAGE: DuraTite 1025 should be stored between 35 – 75°F (1.7 – 23.9°C) out of direct sunlight. Do not allow material to freeze.

SAFETY PRECAUTIONS: Health Considerations - Consult the Rhino Linings® Safety Data Sheets (SDS)

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

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