DESCRIPTION: DuraTite® Prime 1045RP is a premium, water-based, rust inhibiting primer that meets the requirements for ASTM D6083 Acrylic Elastomeric Roof Coating Standards. This primer features a low VOC content that allows for application in most air quality restrictive areas and a quick drying formulation that can reduce time between applications. DuraTite Prime 1045RP demonstrates excellent adhesion and provides resistance against corrosion, heat, cold, moisture, and weathering.

TYPICAL USES:

• An excellent rust inhibiting prime coat over metal surfaces

• May be applied over a wide range of substrates including wood, concrete, masonry, spray polyurethane foam and most commonly used roof coatings.

FEATURES & BENEFITS:

• Low VOC formulation

• Fast drying

• Resistance against corrosion, heat, cold, moisture, and weathering

CHEMICAL PROPERTIES:

	Result
Solids by Volume	41% ± 3
Viscosity	800 ± 200 cP
VOCs	65 g/l
Dry to Touch	2 – 3 hours*
Cure Time	24 hours*
Theoretical Coverage	200 sqft/gal dependant on substrate
Flash Point	>191°F (88.33°C)
Color	Dark Red
Shelf Life - Unopened Containers	12 months between 40°F. and 90°F

*Dry and cure times are dependent upon mil thickness, temperature and humidity.

PROCESS TEMPERATURE AND ENVIRONMENT CONDITIONS: This product cures by water evaporation only. Do not apply DuraTite Prime 1045RP when the ambient temperature is below 50°F or if there is any possibility it could fall below 32°F within 24 hours of application. Application is not recommended if rain or dew is likely to occur before product dries. In high humidity conditions late afternoon applications should be avoided as overnight dew formation on uncured surface can cause coating wash-off. On marginal days, multiple applications of thin coats can ensure proper drying before rain or overnight freezes.

PREPARATION: Surface to receive coating must be clean, smooth and dry. Any debris, gravel, dust, and silt must be removed prior to application. Metal surfaces showing signs of oxidation must be pressure washed before application.

APPLICATION INSTRUCTIONS: DuraTite Prime 1045RP may be sprayed, brushed, or rolled at a rate of 1 gallon per 200 sq. ft. (8 wet mils). Surface texture and wind will affect applied mil thickness. Use long nap (1¼") rollers when roll applying product. If sprayed, material should be at least 75°F.

Before applying a subsequent coat, the previous coat must be completely dry. If any contamination of a thoroughly cured surface occurs, it must be washed and be completely dry before applying subsequent coats. Coating must be extended beyond the substrate to create a self-terminating flashing. Consult Rhino Linings Corporation for recommended dry film thickness

Spray Equipment	Hose	Spray Gun	Filter screen
30:1 fluid to air ratio capable pump	Rated 2x Max pump pressure	Graco Hydra Mastic or equivalent	30 mesh or larger

Hose Lengths	Spray Tip
• 3/8 minimum 6 ft wip • 3/8 minimum I.D. up to 75 feet • 1/2 minimum I.D. up to 200 feet • 3/4 minimum I.D. over 200 feet	• Reversible self-cleaning type • Orifice size of .027 to .039 • Fan angle of 40° to 50°

(continued)

DURATITE® 1045RP *(continued)***:**

NOT RECOMMENDED FOR: Application is not recommended on roofs with slopes less than $\frac{1}{8}$" in 12" or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of DuraTite Prime 1045RP requires complete evaporation of water. Cool temperatures and high humidity retard cure. Do not leave product exposed to elements for more than 48 hours to prevent weathering and dirt pick up that will compromise adhesive performance properties. DuraTite 1045RP may not be used in conjunction with DuraTite 1395 high solids silicone.

SUBSTRATES: Most metals, organic polymers, wood, masonry and vitreous surfaces. This primer may also be used as masonry block filler. Do not use on copper or silver.

HOW SUPPLIED: DuraTite Prime 1045RP is available in 5 gallon pails (18.9 L) and 55 gallon drums (208.2 L). Class 55, D.O.T. Classification: Roof Coating, Not Regulated. DuraTite Prime 1045RP Part#: DT1045RP-P, DT1045RP-D

STORAGE: DuraTite Prime 1045RP should be stored between 40 – 90°F (4.4 – 32.2°C). Protect from freezing in shipment and storage.

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.

Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied,** other than that the material conforms to its applicable current Standard Specifications. Rhino Linings Corporation hereby disclaims any and all other warranties, including but not limited to those of merchantability or fitness for a particular purpose. No statements made herein may be construed as a representation or warranty. The liability of Rhino Linings Corporation for any claims arising from or sounding in breach of warranty, negligence, strict liability, or otherwise shall be limited to the purchase price of the material.

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