

DESCRIPTION: DuraTite® CC2.5 is a fast set, closed cell, 245fa-blown spray polyurethane foam (SPF) insulation designed for use in low-sloped roofing applications in residential & commercial structures and various other interior and exterior weatherization applications. Once fully cured DuraTite CC2.5 demonstrates excellent thermal & dimensional stability and high compressive strength.

As a roofing product DuraTite CC2.5 is easy to apply and develops a smooth outer skin that helps maximize the coverage rates any topcoat product. When installed in conjunction with an approved roof coating DuraTite CC2.5 provides a durable roofing system with full UL 790 credentials.

TYPICAL USES:

- Insulation foam for low-sloped roofing applications
- Residential, commercial and industrial building insulation

FEATURES & BENEFITS:

- Class I fire rated
- UL 790 accredited
- Meets/exceeds minimum building code requirements for fire safety
- No ozone depleting substances, VOCs, HFCs and is PBDE-free
- Low odor during application and produces no toxic vapors after application
- 245fa-blown, non-ozone depleting agent



CHEMICAL PROPERTIES:

		Isocyanate (A)	Resin (B)
Specific Gravity (grams/cc)	ASTM D-1475	1.23	1.18
Viscosity (cps)	ASTM D-2196	150 – 250	1100 – 1300
Mix Ratio, Parts per Volume		1	1
Cream Time @ 25 °C (77 °F)		3 – 5 seconds	
Rise Time @ 25 °C (77 °F)		8 – 18 seconds	
Shelf Life - Unopened Containers		6 months	6 months

TYPICAL PHYSICAL PROPERTIES:

	Test	Result
Density (nominal):	ASTM D-1622	2.5 lb/ft ³ (40 kg/m ³)
Tensile Strength (psi)	ASTM D-1623	65
Compressive Strength (psi)	ASTM D-1621	45
Fire Rating:	ASTM E-84	Class I
Flame Spread Index	ASTM E-84	≤25
Smoke Development Index	ASTM E-84	≤450
R-Value:	ASTM C-518	6.9/inch

PROCESS TEMPERATURE AND ENVIRONMENT CONDITIONS: DuraTite CC2.5 must be spray-applied using approved equipment. The system settings required to achieve quality spray foam application will vary depending on environmental and substrate conditions. The following recommended parameters will help ensure optimum foam quality.

Iso (A) & Resin (B) Components	Processing Pressure	Substrate Temperature
110 – 145 °F (43 – 63 °C)	900 – 1500 psi	>50 °F (10 °C)

PREPARATION: DuraTite CC2.5 resin (B) does not require agitation. Do not pre-heat or recirculate resin (B) as doing so will result in the “boiling off” of the 245fa blowing agent which will result in poor yield and poor foam performance.

APPLICATION INSTRUCTIONS: DuraTite CC2.5 is installed by independent SPF contractors. It is recommended that building owners verify that the SPF insulation contractor maintains proper credentials, insurance, and licenses and is properly trained to safely install SPF insulation products.

DuraTite CC2.5 should not be left exposed to sunlight, as UV light will rapidly degrade foam. Always use a cod-approved coating when used as a roofing product. Do not use near high heat or open flame.

SUBSTRATES: DuraTite CC2.5 is chemically & physically compatible with all common building materials including electrical wiring, wood, metal, concrete, plastic (PVC), copper, vinyl, and glass.

(continued)

DURATITE® CC2.5 (continued):

HOW SUPPLIED: Net weight per set is 1000 pounds (453.6 kg). A set of DuraTite CC2.5 consists of one (1) 55 gallon (208 L) drum of 'A' component and one (1) 55 gallon (208 L) drum of 'B' component.

Part numbers - Set: DT25 SET, Side A: FFPF-ISO A, Side B: FFPF-PUCC2.5P JS.

STORAGE: DuraTite CC2 should be stored between 60 – 80° F (16 – 26° 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.

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.

Read This Before You Buy

What You Should Know About R-values

The chart shows the R-value of this insulation. R means resistance to heat flow. The higher the R-value, the greater the insulating power. Compare insulation R-values before you buy.

There are other factors to consider. The amount of insulation you need depends mainly on the climate you live in. Also, your fuel savings from insulation will depend upon the climate, the type and size of your house, the amount of insulation already in your house, and your fuel use patterns and family size. If you buy too much insulation, it will cost you more than what you'll save on fuel.

To get the marked R-value, it is essential that this insulation be installed properly.

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