

## **X-Tenda Coat Prime-and-Seal**

### **GENERAL:**

**X-Tenda Coat Prime-and-Seal** is a water-based, highly reflective elastomeric acrylic coating utilizing the latest advances in acrylic technology. High quality 100% acrylic resins are combined with reinforcing laminar pigments, an effective biocide package and non-migrating fire retardants, resulting in superior durability, weatherproofing, ultraviolet resistance, algae/mildew resistance and fire resistance. It is available in white and gray.

### **BASIC USES**

X-Tenda Coat Prime-and-Seal **was** designed to perform as a base coat in restoration systems to extend the life of existing PVC, Metal, Asphalt, and Hypalon® roofs.

The X-Tenda Coat Prime-and-Seal system forms a waterproof elastomeric seal, uniformly covering the textured profile of various substrates to form a monolithic membrane, providing protection from normal weathering, aging, and ultraviolet exposure.

### **TYPICAL PROPERTIES AND CHARACTERISTICS**

<b>TEST</b>	<b>METHOD</b>	<b>TYPICAL PROPERTIES</b>
% Solids by weight	ASTM D2369	66% (± 2%)
% Solids by volume	ASTM D5201	51% (± 2%)
Weight per Gallon	ASTM D1475	11.8 lbs (1.41 kg/l)
Tensile strength	ASTM D412	200 psi
Elongation	ASTM D412	180%
Hardness, Shore A	ASTM D2240	65 ± 5
Permeance (perms)	ASTM E96	2.7

### **CAUTIONS AND WARNINGS:**

1. Review the applicable Material Safety Data Sheet for complete safety information prior to use.
2. Job site storage temperatures in excess of 90°F (32°C) may affect product shelf life. **DO NOT ALLOW TO FREEZE.** Do not store sealed containers in prolonged sunlight.
3. Avoid breathing vapors. Keep container closed when not in use. Use with adequate ventilation. If inhaled, move to fresh air. If not breathing, perform artificial respiration. If breathing is difficult give oxygen. Call a physician immediately.
4. If swallowed, **DO NOT INDUCE VOMITING**, call a physician immediately.
5. Avoid contact with eyes. Safety glasses or goggles are recommended. If splashed in eyes, immediately flush eyes with plenty of clean water for at least 15 minutes. Contact a physician immediately.
6. Avoid contact with skin. Wash thoroughly after handling. In case of contact with skin, thoroughly wash affected area with soap and water.
7. Do not thin X-Tenda Coat Prime-and-Seal. Thinning will affect performance and may coagulate the coating.

### **INSTALLATION:**

**Always review the appropriate TDB's and MSDS's for all of the Carlisle products used in your system before starting the project.**

### **MIXING**

Use a power mixer capable of uniformly mixing the entire container prior to use. X-Tenda Coat Prime-and-Seal is easily pumped and sprayed at material temperatures of 60°F (16°C) or greater.

**Reducing the mixture or thinning is not permitted**, as it affects the coatings ability to achieve a heavy film build with excellent vertical hold and hide.

## SURFACE PREPARATION

All surfaces must be clean and dry, and free of any dirt, dust, oil, surface chemicals, or other contaminants that may interfere with optimum adhesion. Any unsound areas in the roof, i.e. blisters, delamination, deterioration, moisture saturation, sharp projections, ridges, etc. shall be repaired or replaced.

Low areas that hold excessive ponding water must be brought into conformance by installing additional roof drains or adding additional slope to existing drains. Surfaces that are contaminated with oil, grease, loose paint or coating, etc. shall be cleaned using General Purpose Cleaner. High-pressure power washing may be necessary to remove tightly adhering contaminants. Rinse thoroughly with clean water to remove all traces of the General Purpose Cleaner. If roof does not require chemical cleaning, thoroughly sweep, vacuum, or blow down roof to remove any dirt, dust or other loose contaminants. **Metal Roofs shall be treated with X-Tenda Coat Metal Primer, if required for the system warranty. Read the appropriate TDB prior to applying EPDM Activator or Metal Primer. Contact Carlisle for specific requirements.**

**Application:** After cleaning and/or priming,

- A. All roof preparation materials shall be allowed to fully dry prior to full roof surface application of the X-Tenda Coat system.
- B. Immediately prior to application of the acrylic coating system, all dust or debris shall be blown off the roof surfaces to be coated using high-pressure compressed air.
- C. It is often easier to visually see splits, tears or other damage in membrane surfaces after application of the first coat of X-Tenda Coat Prime-and-Seal. For this reason the roof surface should be inspected after application of the first coat for any damage that was not detailed previously. These areas can be repaired and reinforced using Coating-Ready Cover Tape.
- D. The entire roof substrate shall receive X-Tenda Coat Prime-and-Seal 100% acrylic elastomer coating applied as follows:
  1. Apply the first coat of X-Tenda Coat Prime-and-Seal at the coverage rate required for the desired warranty
  2. After allowing the basecoat to dry, apply subsequent coats of X-Tenda Coat at a rate of 24 wet mils or 1.5 gallons per 100-sq. ft. (0.6 l/m<sup>2</sup>). Use a medium-nap roller or airless spray to apply the elastomeric coating. Apply consecutive coats of X-Tenda Coat in a perpendicular direction to the previous coat.
  3. The minimum dry film thickness of the finished coating required at any location shall be 26 mils.
- E. The X-Tenda Coat Prime-and-Seal shall extend up and over all roof substrates on vent pipes, parapets and other protrusions to terminate a minimum of 3" (8 cm) above the substrate, creating a self-terminating flashing, and to provide an aesthetically pleasing appearance.

### COVERAGE RATES

Gallons per 100 sq. ft.	X-Tenda Coat Prime-and-Seal Wet Film Thickness	Finish Coat(s) X-Tenda Coat Wet Film Thickness	Dry Film Thickness
1	16 mils	16 mils	8 mils (each coat)
1.5	24 mils	24 mils	12 mils (each coat)
1.75	28 mils	28 mils	14 mils (each coat)
Energy Star Rating (only available with X-Tenda Coat finish coat)	12 mils 3/4 gallon per 100 sq. ft.	12 mils 3/4 gallons per 100 sq. ft.	12 mils (total)

### Coating Matrix by Desired Warranty

Material Only Warranty							
Aged Membrane (1 year or older)							
5-year Material Warranty							
Roof System	Cleaner	Primer		Basecoat		Top Coat	Thickness
	X-Tenda Coat™ General Purpose Cleaner	X-Tenda Coat™ EPDM Activator	X-Tenda Coat™ Metal Primer	X-Tenda Coat™ Prime-and-Seal	X-Tenda Coat™ Acrylic	X-Tenda Coat™ Acrylic	Dry Mil (min. 2 coats)
EPDM		X			X	X	16
TPO	X				X	X	16
PVC or Hypalon®	X			X		X	16
Metal	X		X	X		X	16
Smooth Surface BUR	X			X		X	24
APP	X			X		X	24

SBS	X			X		X	24
10-year Material Warranty							
	Cleaner	Primer		Basecoat		Top Coat	Thickness
Roof System	X-Tenda Coat™ General Purpose Cleaner	X-Tenda Coat™ EPDM Activator	X-Tenda Coat™ Metal Primer	X-Tenda Coat™ Prime-and-Seal	X-Tenda Coat™ Acrylic	X-Tenda Coat™ Acrylic	Dry Mil (min. 2 coats)
EPDM		X			X	X	20
TPO	X				X	X	20
PVC or Hypalon	X			X		X	20
Metal	X		X	X		X	20
Smooth Surface BUR	X			X		X	28 <sup>1</sup>
APP	X			X		X	28 <sup>1</sup>
SBS	X			X		X	28 <sup>1</sup>

System Warranty							
Aged Membrane (1 year or older)							
5-year System Warranty							
	Cleaner	Primer		Basecoat		Top Coat	Thickness
Roof System	X-Tenda Coat™ General Purpose Cleaner	X-Tenda Coat™ EPDM Activator	X-Tenda Coat™ Metal Primer	X-Tenda Coat™ Prime-and-Seal	X-Tenda Coat™ Acrylic	X-Tenda Coat™ Acrylic	Dry Mil
EPDM		X			X	X	20
TPO	X				X	X	20
PVC or Hypalon	X			X		X	20
Metal	X		X	X		X	20
Smooth Surface BUR	X			X		X	28
APP	X			X		X	28 <sup>1</sup>
SBS	X			X		X	28 <sup>1</sup>
10-year System Warranty							
	Cleaner	Primer		Basecoat		Top Coat	Thickness
Roof System	X-Tenda Coat™ General Purpose Cleaner	X-Tenda Coat™ EPDM Activator	X-Tenda Coat™ Metal Primer	X-Tenda Coat™ Prime-and-Seal	X-Tenda Coat™ Acrylic	X-Tenda Coat™ Acrylic	Dry Mil
EPDM		X			X	X	26 <sup>1</sup>
TPO	X				X	X	26 <sup>1</sup>
PVC or Hypalon	X			X		X	26 <sup>1</sup>

Note: When using X-Tenda Coat Plus-K as the Top Coat, refer to that material's TDB for coverage rate information.

<sup>1</sup> Minimum 3 coats required.

Carlisle and X-Tenda Coat are Carlisle trademarks.

Hypalon is a Dupont trademark.