

**X-TENDA COAT™****GENERAL:**

**X-TENDA COAT™** is a water-based, high solids elastomeric coating utilizing the latest advances in technology. High quality 100% 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. White X-TENDA COAT™ carries the Energy Star® rating.

**BASIC USES**

X-TENDA COAT™ was designed to perform as a color coating as well as to perform as the weathering surface in restoration systems to extend the life of existing EPDM, TPO, PVC, Metal, Asphalt, and Hypalon® roofs.

The X-TENDA COAT™ 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**

TEST	METHOD	TYPICAL PROPERTIES
% Solids by weight	ASTM D2369	60% (± 2%)
% Solids by volume	ASTM D5201	54% (± 2%)
Weight per Gallon	ASTM D1475	11.8 lbs (1.41 kg/l)
Tensile strength	ASTM D412	250 psi
Elongation	ASTM D412	300%
Hardness, Shore A	ASTM D2240	60 ± 5
Permeance (perms)	ASTM E96	3.0
UV Resistance	ASTM G23	5,000 hrs
High Temperature Resistance	ASTM D794	No age hardening up to 250° F
This material meets or exceeds all requirements of ASTM D6083.		

**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™. 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™ 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 X-Tenda Coat 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 Universal Primer. If roof does not require chemical cleaning, thoroughly sweep, vacuum, or blow down roof to remove any dirt, dust or other loose contaminants. **EPDM roofs shall be treated with X-Tenda Coat™ EPDM Activator prior to application of X-TENDA COAT™. Metal Roofs shall be treated with Metal Primer, if required for the system warranty. Contact Carlisle for specific requirements.**

**Application:** After application of the X-Tenda Coat™ EPDM Activator,

- 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 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 the EPDM surface after application of the first coat of X-TENDA COAT™. 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™ 100% elastomer coating applied as follows:
  - 1. Apply the first coat of X-TENDA COAT™ 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 **maximum** rate of 24 wet mils or 1.5 gallons per 100-sq. ft. (0.6 l/m²). 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 16 mils (10 mils for color coating, the Energy Star® Rating being achieved with a minimum 10 dry mil thickness of X-TENDA COAT™ White only).
- E. The X-TENDA COAT™ 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 Square	Wet Film Thickness	Dry Film Thickness
3/4	12 mils	6 mils
1	16 mils	8 mils
1 - 1/4	20 mils	10 mils
1 - 1/2	24 mils	12 mils

## Coating Matrix by Desired Warranty

### Material Only Warranty

Aged Membrane (1 year or older)

#### 5-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™	X-Tenda Coat™	Dry Mil (min. 2 coats)
EPDM		X			X	X	16
TPO	X				X	X	16
PVC	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™	X-Tenda Coat™	Dry Mil (min. 2 coats)
EPDM		X			X	X	20
TPO	X				X	X	20
PVC	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™	X-Tenda Coat™	Dry Mil
EPDM		x			x	x	20
TPO	x				x	x	20
PVC	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™	X-Tenda Coat™	Dry Mil
EPDM		x			x	x	26 <sup>1</sup>
TPO	x				x	x	26 <sup>1</sup>
PVC	x			x		x	26 <sup>1</sup>

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