

**X-TENDA COAT™ Plus-K**

**GENERAL:**

**X-TENDA COAT™ Plus K** is a water-based, high solids elastomeric coating utilizing the latest advances Kynar fluoropolymer technology. X-Tenda Coat™ Plus K provides excellent color retention, even in bright colors, and the low-energy surface provides enhanced resistance to dirt pick-up. The Kynar polymer provides superior durability, weatherproofing, ultraviolet resistance, algae/mildew resistance, and inherent fire resistance. It is available in white and custom colors. White X-Tenda Coat™ Plus K carries the Energy Star® rating.

**BASIC USES**

X-Tenda Coat™ Plus K is 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™ Plus K 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	45% (± 2%)
% Solids by volume	ASTM D5201	31% (± 2%)
Weight per Gallon	ASTM D1475	10.37 lbs (1.24 kg/l)
Tensile strength	ASTM D2370	828 psi
Elongation	ASTM D2370	148%
Water Swelling	ASTM D471	< 3%
Permeance (perms)	ASTM D1653	< 3.0 @ 2 mils dry film thickness
UV Resistance	ASTM G155	4,000 hrs = Pass
Fungi resistance	ASTM G21	Zero rating

**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™ Plus K. 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™ Plus K 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 X-Tenda Coat™ 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. **EPDM roofs shall be treated with X-Tenda Coat™ EPDM Activator prior to application of the X-Tenda Coat™ base coat. 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 application of the proper Primer,

- A. All roof preparation materials shall be allowed to fully dry prior to full roof surface application of the X-Tenda Coat™ Plus K 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 membrane surfaces after application of the first 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 **X-Tenda Coat™ Coating-Ready Cover Tape**.
- D. The entire roof substrate shall receive coating applied as follows:
  - 1. Apply the first coat of **X-Tenda Coat™ Base Coat** or **X-Tenda Coat™** at the coverage rate required for the desired warranty
  - 2. After allowing the initial basecoat to dry, apply subsequent coats of X-Tenda Coat if required at a **maximum** 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 sprayer to apply the elastomeric coating. Apply consecutive coats of in a perpendicular direction to the previous coat.
  - 3. The X-Tenda Coat™ Plus K topcoat should be applied at a rate of ¾ gallon per 100 square feet or 3 mils dry film thickness.
  - 4. The minimum dry film thickness of the finished coating **system** required at any location shall be 10 mils.
- E. The X-Tenda Coat™ Plus K system (basecoat and topcoat) 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.

**X-Tenda Coat™ Plus-K® Coverage Rate**

Gallons per Square	Wet Film Thickness	Dry Film Thickness
3/4	12 mils	3 mils

**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™ Base Coat	X-Tenda Coat™	X-Tenda Coat™ Plus K Min. 3 mils dry	Dry Mil (min. 2 coats)
EPDM		X			X	X	10
TPO	X				X	X	10
PVC	X			X		X	10
Metal	X		X	X		X	10
Smooth Surface BUR	X			X		X	18
APP	X			X		X	18

SBS	X			X		X	18
10-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™ Base Coat	X-Tenda Coat™	X-Tenda Coat™ Plus K Min. 3 mils dry	Dry Mil (min. 2 coats)
EPDM		X			X	X	14
TPO	X				X	X	14
PVC	X			X		X	14
Metal	X		X	X		X	14
Smooth Surface BUR	X			X		X	22 <sup>1</sup>
APP	X			X		X	22 <sup>1</sup>
SBS	X			X		X	22 <sup>1</sup>

System Warranty							
Aged Membrane (1 year or older)							
5-year System 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™ Base Coat	X-Tenda Coat™	X-Tenda Coat™ Plus K Min. 3 mils dry	Dry Mil
EPDM		X			X	X	14
TPO	X				X	X	14
PVC	X			X		X	14
Metal	X		X	X		X	14
Smooth Surface BUR	X			X		X	22 <sup>1</sup>
APP	X		X	X		X	22 <sup>1</sup>
SBS	X			X		X	22 <sup>1</sup>
10-year System 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™ Base Coat	X-Tenda Coat™	X-Tenda Coat™ Plus K Min. 3 mils dry	Dry Mil
EPDM		X			X	X	20 <sup>1</sup>
TPO	X				X	X	20 <sup>1</sup>
PVC	X			X		X	20 <sup>1</sup>

<sup>1</sup> Minimum 3 coats (2 base coats and 1 top coat) required.

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