

X-TENDA COAT™

Product Coverage

Coating Theoretical Coverage (Gallons/Square @)

Product	% Solids by Volume	mil/sq/gal	5 mils	10 mils	15 mils	20 mils	25 mils	30 mils	35 mils	40 mils	50 mils
X-Tenda Coat Acrylics											
X-Tenda Coat Acrylic Top Coat, Base Coat	54%	8.64	0.6	1.2	1.7	2.3	2.9	3.5	4.1	4.6	5.8
X-Tenda Coat Acrylic Bleed Block Base Coat	52%	8.32	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	6.0
X-Tenda Coat XTRA Silicones											
X-Tenda Coat XTRA Silicone	92%	14.72	0.3	0.7	1.0	1.4	1.7	2.0	2.4	2.7	3.4

The theoretical coverage rate of a coating is the number of roofing squares covered by one gallon of a coating material spread over a flat smooth surface area at a thickness of 0.001-inch or 1 mil. One gallon of coating material that has 100% solid content by volume will cover an area of 16 roofing squares that is 1 dry mil thick. A roofing square is equal to 100 sq ft.

A coating with a 60% solid content by volume, applied at 30 mils dry film thickness (DFT), is used in the formulas below to arrive at various theoretical coverages. These calculations use solids content by volume, not solids content by weight.

To find the theoretical thickness for one gallon of coating:

Theoretical thickness per gallon 60% solids x 16 roofing square (rf) x mil/gal

$$= 0.6 \times 16$$

$$= 9.6 \text{ rf x mil/gal}$$

To find the theoretical number of gallons required at a specified thickness:

Number of gallons per roofing square = dry film thickness/theoretical thickness per gallon

$$= 30 \text{ mils} / 9.6 \text{ rf x mil/gal}$$

$$= 3.1 \text{ gallons/roofing square or 100 sq ft}$$

Actual Coverage Requirements: When coatings are applied, many factors, such as substrate texture, overspray loss, container residue, spills, equipment characteristics, applicator technique, etc., will directly affect the amount of coating material required to meet the designed minimum dry film thickness. It is very important additional material be added to the theoretical quantities to ensure the proper minimum coating thickness is applied and there is enough material to complete the project. Applicators will typically add an additional 10-15% to the theoretical coverage rates to account for such factors.

Substrate Application Recommendations and Yields

Substrate	Metal Primer	Asphaltic BB Primer	TPO Primer
TPO			0.4 g/square
Metal	0.5 g/square*		
Concrete	0.5 g/square		
APP and Smooth SBS		1.0 g/square	
Smooth Built-Up		1.0 g/square	
Granulated Cap Sheet		1.25 g/square	
Mastic Yields	60 DFT ~37-50 linear feet at 4" wide or 225 fasteners per gallon		

Note: Please use recommended primers below in the event peel adhesion test results are below the 2.0 pli minimum or to prevent potential staining on PVC, BUR, APP and SBS substrates.

Adhesion tests are recommended to all unique substrates on every coating restoration project

*Required for use over rust on metal where applicable