



# Cubic Conversions for LATICRETE® and LATAPOXY® Products

T.D.S. 250

LATICRETE International Inc. produces an assortment of Portland cement and epoxy based setting and grouting materials. In some instances bagged mortars, grouts and epoxy materials need to be converted into cubic measurements for various reasons. The following are common products and their approximate cubic conversions.

Product	Unit Size	Approximate Cubic inches (liters) per unit yielded	Approximate Cubic Feet (meter) per unit yielded	Approximate Gallons (liters) per unit yielded
LATICRETE 226 Thick Bed Mortar mixed with LATICRETE 3701 Mortar Admix	60lbs (27kg)	1036.8 in <sup>3</sup> (16.9L)	.6 ft <sup>3</sup> (.01m <sup>3</sup> )	4.5 gal (16.9L)
LATICRETE Tri-Poly Fortified Sanded Grout (1500) Series mixed with LATICRETE 1776 Grout Admix Plus	25lbs (11.3kg)	577 in <sup>3</sup> (9.5L)	.3 ft <sup>3</sup> (0.008m <sup>3</sup> )	2.5 gal (9.5L)
	50lbs (22.7kg)	894 in <sup>3</sup> (14.6L)	.5 ft <sup>3</sup> (0.01m <sup>3</sup> )	3.9 gal (14.6L)
LATAPOXY 300 Epoxy Adhesive	#2 Unit	415.8 in <sup>3</sup> (6.8L)	.2 ft <sup>3</sup> (0.005m <sup>3</sup> )	1.8 gal (6.8L)
LATAPOXY SP-100 Stainless Grout for Floors N' Walls	#1 Unit	210.9 in <sup>3</sup> (3.4L)	.1 ft <sup>3</sup> (0.003m <sup>3</sup> )	.9 gal (3.4L)
	#2 Unit	415.8 in <sup>3</sup> (6.8L)	.2 ft <sup>3</sup> (0.007m <sup>3</sup> )	1.8 gal (6.8L)
	#4 Unit	831.6 in <sup>3</sup> (13.6L)	.4 ft <sup>3</sup> (0.01m <sup>3</sup> )	3.6 gal (13.6L)

### Equation example:

To figure the amount of LATAPOXY 300 Epoxy Adhesive needed to for a anti-theft mat trench application, multiply the width and length of the trench by 12 to get all dimensions into inches. Then multiply the width, length, and depth to figure the cubic inches.

Example: 6' (182cm) x 10' (300cm) x 6" (15cm) = 72" x 120" x 6" = 51840 in<sup>3</sup> (849.5L)

Since a #2 Unit of LATAPOXY 300 Epoxy Adhesive = 415.8 in<sup>3</sup> (6.8L)

Divide 51840 in<sup>3</sup> (849.5L) by 415.8 in<sup>3</sup> (6.8L) = 124.6 #2 Units of LATAPOXY 300 Epoxy Adhesive

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