



# Cubic Measurement Conversions for LATICRETE® Products TDS 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
3701 Fortified Mortar; or, 226 Thick Bed Mortar mixed with 3701 Mortar Admix	60 lbs. (27 kg)	864 in <sup>3</sup> (14.2 L)	0.5 ft <sup>3</sup> (0.01m <sup>3</sup> )	3.7 gal. (14.1 L)
PERMACOLOR Select	12.5 lbs. (5.7 kg)	252 in <sup>3</sup> (4.1 L)	0.15 ft <sup>3</sup> (0.004m <sup>3</sup> )	1.1 gal. (4.1 L)
	25 lbs. (11.4 kg)	505 in <sup>3</sup> (8.3 L)	0.3 ft <sup>3</sup> (0.008m <sup>3</sup> )	2.2 gal. (8.3 L)
PERMACOLOR Grout	8 lbs. (3.6 kg)	146 in <sup>3</sup> (2.4 L)	0.08 ft <sup>3</sup> (0.002 m <sup>3</sup> )	0.6 gal. (2.4 L)
	25 lbs. (11.4 kg)	457 in <sup>3</sup> (7.5 L)	0.26 ft <sup>3</sup> (0.007 m <sup>3</sup> )	2.0 gal. (7.5 L)
LATAPOXY® 300 Adhesive	#2 Unit	415 in <sup>3</sup> (6.8 L)	0.24 ft <sup>3</sup> (0.007m <sup>3</sup> )	1.8 gal. (6.8 L)
SPECTRALOCK® PRO Premium Grout* or SPECTRALOCK PRO Grout	Full Unit	177 in <sup>3</sup> (2.9 L)	0.1 ft <sup>3</sup> (0.003m <sup>3</sup> )	0.8 gal. (2.9 L)
	Commercial Unit	722 in <sup>3</sup> (11.8 L)	0.4 ft <sup>3</sup> (0.012m <sup>3</sup> )	3.1 gal. (12 L)

**Equation example:**

To figure the amount of LATAPOXY 300 Adhesive needed for a Sensormatic 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" = 51,840 in<sup>3</sup> (849.5L)

Since a #2 Unit of LATAPOXY 300 Adhesive = 414.7 in<sup>3</sup> (6.8L)

Divide 51,840 in<sup>3</sup> (849.5L) by 414.7 in<sup>3</sup> (6.8L) = 125 #2 Units of LATAPOXY 300 Adhesive

\* United States Patent No.: 6,881,768 (and other Patents)

Technical Data Sheets are subject to change without notice. For latest revision, check our website at <https://laticrete.com>  
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