



Poly 600 Liquid Polymer Test Results

Typical Properties

Total Solids % by weight	58 – 60 %
Color	White
Odor	Slight Acetic
Viscosity	1900 – 2800 MPaS at 26 degrees C (79 degrees F)
Specific Gravity	1.07 (water = 1) at 25 degrees C (77 degrees F)
Boiling Point	> 212 degrees F (> 100 degrees C) Water
Freezing Point	< 32 degrees F (< 0 degrees C) Water
Evaporation Rate	< 1 (BuAc=1)
Vapor Density	> 1 (AIR=1)
% Volatile	54.5 %
pH	4 – 5.5

Test Results

Test data was conducted using Poly 600 liquid concentrate polymer. The test batch was comprised of 9% polymer, 250 parts sand, and 100 parts cement mortar mix.

Table Flow (%) 115

Table Flow (cm) 16.2

Density (g/cm³) 1.9

	<u>7 Day Cure</u>	<u>28 Day Cure</u>
Flexural Strength (psi)	899	1211 Compressive
Strength (psi)	4167	4483
T-Bar Adhesion to Plywood (psi)	77	56
Water Absorption (%) 1 hr	2.24	2.31
4 hrs	2.94	3.08
24 hrs	3.99	3.96
7 days	5.08	4.89

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