

# STAMPSTONE® PHYSICAL PROPERTIES

## Architectural Specifications

TESTS	METHOD	RESULTS
<b>Impact Strength</b>	ASTM D2794	576.0 inch lbs.
Procedure: ½ inch ball dart (14.4 lb) dropped from 40"		
<b>Abrasion Resistance</b>	ASTM D1242	.0163 mg total weight loss
Procedure: CS10 Wheels for 500 Cycles with 500 gram load		
<b>Tensile Strength</b>	ASTM D4541	927.4 PSI
Procedure: PATTI JR Adhesion Tester with F1 Piston Assembly		
<b>Compression Strength</b>	ASTM D695	5119.31 PSI
Procedure: 1.25" diameter by 1" high cylinders were compressed at a rate of .05 in/min until failure.		
<b>Freeze / Thaw Resistance</b>	ASTM C666	No Visible Affect
Procedure: Specimens were frozen in air and thawed in water per ASTM C666 procedure B representing Freeze/Thaw through one product life.		
<b>Shear Bond Strength</b>	ASTM C882	1820.66 PSI
<b>Lap Shear Strength</b>	ASTM D5868	166.38 PSI
Procedure: Material was applied between grit blasted 1/8 <sup>th</sup> aluminum strips 1" wide with a 1" overlap and pulled using United Tensile Tester.		
<b>Accelerated Weathering 3 yrs.</b>	ASTM G-154	Minimal Affect
Procedure: Material samples were accelerated using fluorescent UVA bulb method.		
<b>Slip Resistance</b>	ASTM D1984-93 ASTM F2048-00	Dry Surface 0.95 Wet Surface 0.88
<b>Mildew Resistance</b>	ASTM G-21	Class A
<b>Flame Spread</b>	ASTM E-84	Exceeds Standard

Material samples cured for 21 days prior to lab testing.  
StampStone material to water ratio is 4.5 to 1 by volume.