

Stonepanels

INTERNATIONAL LLC

World-Wide Supplier of StoneLite® Natural Stone Composite Panels

Technical Information



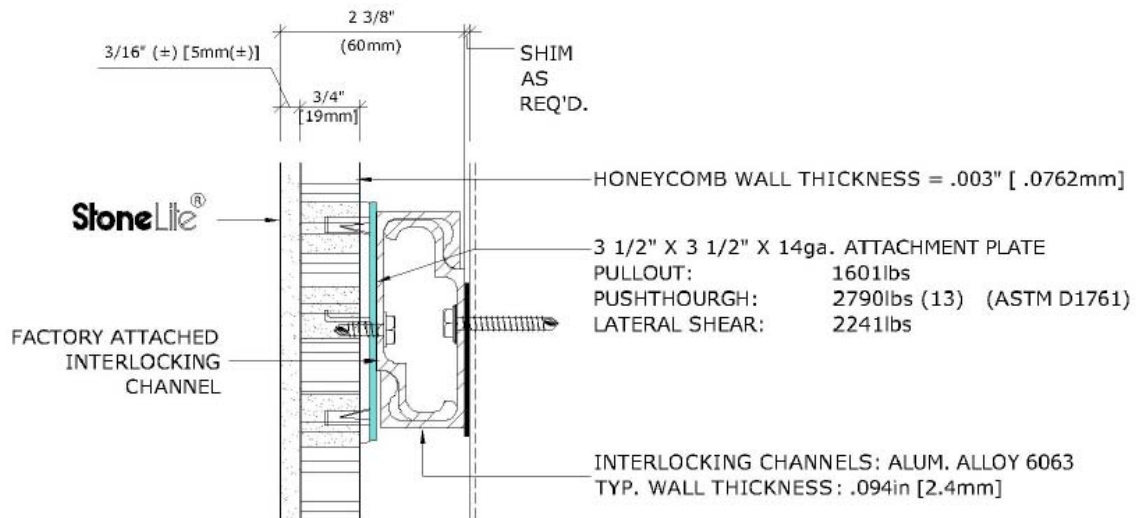
Panel Strength

- (1) Flexural Strength = 1012in – lbs (ASTMC880)
- (1) Tensile Bond = 299 psi (ASTM D897)
- (4) Flatwise Tension = 290 psi (ASTM C-67)
- (10) Racking Shear = 5000 lbs (+) (ASTM E-72)
- (12) Flexural = 479 psf positive (ASTM E-72-05)
430 psf negative (35.5" span)

See summaries of tests results in TESTING section. Complete test reports available upon request.

Product Data

Average Weight:	3.3 pounds / sq. ft. (16 kg/sq. M)
Standard panel dimensions:	4' x 8' (1219 x 2438mm)
Maximum panel dimensions:	5' x 10' (1524 x 2845mm) Ltd. Availability
Overall panel thickness:	15/16 in. +/- 1/16 in. (24mm +/- 1.6mm)
Tolerances (length, width & squareness):	+/- 1/16 in. (+/- 1.6mm)
Aluminum honeycomb thickness:	3/4 in. (19mm)



Installation on a Lightweight Facade

Lateral Load Capacity

Based upon 15/16 in. panel thickness & L/240 deflection limit
(ASTM C393)

UNIFORM LOAD (PSF)	25	44	52	68	102
SPAN (INCHES)	48	36	32	24	16

For SI: 1 inch = 25.4 mm, 1 psf = 47.99 Pa.

Maximum vertical spacing of panel attachments to the supporting is 24 inches

Panel Properties

$E_{panel} = 10,000,000$ psi [young's modulus of elasticity]
 $S_{x+} = 0.1074$ in³ [positive section modulus]
 $S_{x-} = 0.1021$ in³ [negative section modulus]
 $I_{panel} = 0.0813$ in⁴ [moment of inertia]

