



THE STATE OF THE ART IN LIGHT WEIGHT MASONRY AND CLADDING TECHNOLOGY

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STONESCREEEN AEROLITE® DATA SHEET

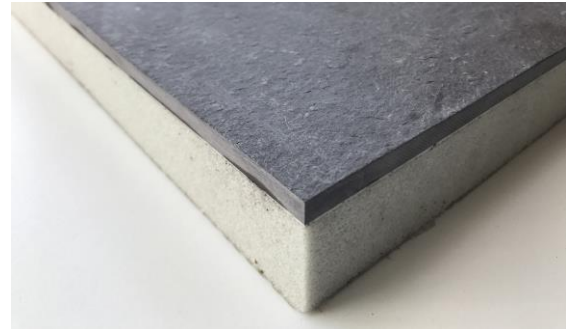
DESCRIPTION: Light weight stone faced composite panel

TYPICAL OVERALL PANEL THICKNESS: 36 mm

COMPOSITION: 6 mm thick stone bonded to 30 mm thick glass fibre mesh reinforced foam glass backing

SUITABLE USE: Exterior & Interior, wall & floor cladding

MAX PANEL DIMENSION: 2.8 m x 1.6 m



Authority	Test	Standard	Result
SGS	Fire Classification UK Building regulations 2006 Approved document B, appendix A, Paragraph 13	BS-476 Part 6 + A1:2009 BS-476 Part 7:1997	Class 0
SGS	Reaction to fire	EN 13501-01	Class A1
SGS	Temperature service limits		-265°C to +430°C
SGS	Specific Heat	EN ISO 10456	1000 J (KgK)
SGS	Melting point	DIN 4120-17	<1000°C
Pontlab SRL	Accelerated Ageing	ASTM C481	No change
SGS	Co-efficient of thermal expansion	ISO 10545-8 1994	9X10 ⁻⁶ /K
SGS	Hygroscopicity		Zero
SGS	Capillarity		Zero
SGS	Radioactivity	GB 6566-2010 Limit of radionuclides Test for all substances in accordance with EU regulations	SVHC <0.1 (ww) PASS
SGS	Thermal conductivity		0.04 w/mK
SGS	Salt Stray Test	ASTM 8117-11	No change
Geoconsult SRL	Anchorage Strength	ASTM C1354/C1354M-15	5040 N
SGS	Flexural Strength	BS EN 12372:2006	<6.2MPa
SGS	Sound insulation		<42dB