

1. General Description

Echo Block is a cementitious recycled shredded tire insulation block. Mixed with a combination of recycled cement products to produce Echo Block at a maximum size of 2'x2' with a minimum thickness of 2" sloping to 2.5" of compacted rubber which includes an 8,000 PSI structural grout surface. Echo Block is Class A UL Fire rated, SCS Global 90% recycled content at 8" thickness certified, Miami Dade NOA approved, and is installed with Polyset AH-160 Propack adhesive at 6" OC to either concrete or metal roof decks.

Color: Dark Grey

2. Safety Guidelines

Always wear the recommended personal protective equipment.

3. Storage and Packaging

Echo Block can be stored either inside or outside and does not need to be covered from the elements. Product shelf life is 50 years or more. Echo Block is sold in pallet quantities with 8 different sizes available.

4. Coverage

Echo Block will cover an area up to 2'x2'. Echo Block is sloped and has a minimum thickness of 2" sloping to 2.5".

5. Installation Guidelines

Surface Preparation:

Surfaces receiving an application of Echo Block must be clean, sound, dry, free of oils and all bond inhibiting compounds of contaminants. Dirt and other build up should be mechanically removed until a clean workable surface is exposed. In addition to the mechanical means of cleaning, other methods may be required to sufficiently clean the roof deck, such as power washing. If the contamination of the roof deck occurs, consult your sales representative.

Mixing:

Non-Applicable

Application:

Echo Block is installed with 2 continuous beads of Polyset AH-160 Propack adhesive placed 6" OC.

6. Limitations

Minimum application temperature is 40F (4C) and rising. Do not apply over damp or wet roof decks. Do not apply to surfaces with active moisture vapor transmission.



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Technical Specifications:

Physical Properties	Physical Characteristics	Method of Determination
Thermal Resistance	R-.614 per inch	ASTM C-518
Weight	2'x2'x2.5"-3" = 58lbs 2'x2'x3"-3.5" = 66lbs	
Flexural Strength	752 LBF at 4" thick	ASTM C-293
Flexural Strength-Modulus Rupture	128 psi	ASTM C-293
Hail damage test	Pass	UL 2218
Flammability	Pass Class A Fire Rated Material unlimited slope incline	UL 790
Acoustic properties	STS= 39 OITC= 36	ASTM E90-09 ASTM E1332-10A
Fastener Withdrawal resistance	459.38 lbf 1-5/8" Fastener	TAS 105
Fastener Withdrawal resistance	285 lbf 3.5" screw	TAS 105
Compression testing	56 days 94 PSI	ASTM C39
Edge metal pull off performance	Average 350 lbf Maximum 1050lbf	TAS 111B
Simulated uplift pressure resistance test	-502.5 psf -292.5 psf -370 psf	TAS-114-95-D
Recycled content	87% recycled content at 4" Thick 90% recycled content at 8" Thick	SCS Global



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