

GREEN SUSTAINABLE ATTRIBUTES

SCOPE: This document is solely for the purpose of the listing of Sustainable Attributes of construction materials. The supporting documentation has been submitted by the NOA holder to Miami-Dade County Product Control.

SOLAR REFLECTANCE AND THERMAL EMMITANCE

<u>Component Name</u>	<u>Initial Reflectance</u>	<u>Aged Reflectance</u>	<u>Initial Emittance</u>	<u>Aged Emittance</u>	<u>Solar Reflectance Index (SRI)</u>
Sopralene Flam 180 FR GR	0.26	0.23	0.87	0.90	25
Echo Turf	0.14		0.89		12.5

ROOF SYSTEM THERMAL RESISTANCE

<u>R-Value</u>	<u>Insulation / Thickness</u>	<u>Products:</u>
2.995	4.05 inches	Echo Bag
4.266	3.25 inches	Echo Flow
2.388	3.89 inches	Echo Block
5	1 inch	Styrofoam Highload 60 Insulation

LOW VOC COMPONENTS

<u>Component Name</u>	<u>Content</u>	<u>Emission</u>
ICP Adhesive Polyset AH-160	4 g/L	
Echo Block	No VOC per MSDS	
Echo Flow	No VOC per MSDS	
Echo Bond	No VOC per MSDS	

RECYCLED CONTENT / BIO-BASED MATERIAL / RAPIDLY RENEWABLE MATERIAL

<u>Component Name</u>	<u>% Recycled Content when Manufactured</u>	<u>% Able to be Recycled at Disposal</u>	<u>% of Bio-based Material</u>	<u>% of Rapidly Renewable Material</u>
Echo Block	87	100		
Echo Flow	93	100		
Echo Turf	20	100	60	
Styrofoam Highload 60 Insulation	20	100		

SYSTEM LIFE CYCLE

<u>Years</u>	<u>Assemblies:</u>
40	A(1), A(2), A(3)

REGIONALLY MANUFACTURED COMPONENTS

<u>Component Name</u>	<u>Manufacturing Location</u>
Echo Block	Shredded Tire Inc., 6742 NW 17 th Aver., Fort Lauderdale, FL
Echo Flow	Shredded Tire Inc., 6742 NW 17 th Aver., Fort Lauderdale, FL
Echo Bag	Shredded Tire Inc., 6742 NW 17 th Aver., Fort Lauderdale, FL

U-FACTOR (THERMAL TRANSMITTANCE) BTU/HR-FT²-°F

<u>Component Name</u>	<u>U-Value</u>	<u>Component Name</u>	<u>U-Value</u>
Echo Block	.420	Echo Bag	.334
Echo Flow	.234	Styrofoam Highload 60 Insulation	.200

C-FACTOR (THERMAL CONDUCTANCE) BTU/HR-FT²-°F

<u>Component Name</u>	<u>U-Value</u>	<u>Component Name</u>	<u>U-Value</u>
Echo Block	1.634	Echo Bag	1.357
Echo Flow	.809	Styrofoam Highload 60 Insulation	.200