



## ENGINEERED TO PROTECT WALLS FROM MOISTURE AND HEAT

### StrucSureCoat™

#### Engineering Data

#### Product Description

**StrucSureCoat** is a low VOC single component, Elastomeric-Hybrid energy efficient wall coating that provides seamless/monolithic protection over any type of exterior building material. In California we have some of the most extreme temperature variance in a 24 hour cycle. The walls and fascia boards can be 40 degrees in the morning and heat up to 140 degrees during the day. **StrucSureCoat** is made to expand and contract with thermal cycles keeping the walls protected from water and heat that cause stucco, wood and other building materials to deteriorate. **StrucSureCoat** has been engineered with the highest grade cross-linked resins providing increased weather resistance, durability and elasticity compared to traditional acrylic paints or coatings. With its high reflectivity and low conductivity characteristics, **StrucSureCoat** can help reduce energy costs by emitting most of the heat that hits the wall back out into the atmosphere, avoiding absorption and heat transfer. **StrucSureCoat** has excellent adhesion properties and is compatible with a variety of substrates. **StrucSureCoat** is versatile, cost effective and an easily applied coating that is available in 29 standard colors.

**Preparation:** The objective of surface preparation is to produce a wall surface that is suitable for application and adhesion. It must be clean and dry. If in doubt, use a moisture meter to determine if the surface is dry. Replacement of damaged wood including at fascia, soffit and patio covers areas needs to be done. Patching and repairs of unsound stucco; All other repairs or replacement of loose, damaged or missing materials need to be completed before applying **StrucSureCoat**. The coating will take on the appearance of the underlying surface. The **StrucSureCoat** membrane needs to be pin hole free to work properly. Minimum 20-26 mil thickness on wall depending on texture and 15 mils on smooth wood. Failure to properly prepare the surface can cause poor adhesion and application failure. All foreign materials that may impair adhesion MUST be removed prior to application.

**Prior to application:** The surface shall be cleaned using a pressure washer and in compliance will all applicable, local, state, and federal building codes. Any moisture in the existing materials must be eliminated prior to application.

#### Temperature Precaution

Do not apply when surface or atmospheric temperatures are below 55°F or when measurable precipitation or freezing is possible within 24 hours. The service temperature range is -15° F - 180° F. The substrate temperature range for application is 55° F - 90° F. Call for more information on application.

Testing was performed by independent testing facilities and is believed to be reliable. However since the data has been obtained under controlled laboratory conditions and typical for some product classification, we can assume no liability for damages resulting from the use of this material. All information provided is given without warranty or guarantee. It is our recommendation that the end user perform individual testing for the specific intended application. \*Testing done on SureCoat the coating component of StrucSureCoat - Wall System.

#### StrucSureCoat Technical Properties:

<b>ASTM C523 Sunlight Reflection</b>	<b>92% white</b>
ASTM C 1549	88%
<b>Emissivity</b>	<b>86%</b>
Viscosity D2196 Brookfield 73.4°	32,000 cps
D562 KU 73.4°	110 KU
<b>Volume Solids (ASTM D2697)</b>	<b>65%</b>
Weight Solids (ASTM D1644)	81%
<b>Tensile Strength @ 73°F Min. ASTMD412</b>	<b>473 psi</b>
Tensile Strength Select Fabric	2800+/-200 psi
Tear Resistance D624	>60lbs f/in
ASTM E108 (Class A) UL Rating Equivalent	Pass
ASTM E84 flame spread	Pass
TT-C555B Wind driven rain	Pass
Maximum Weathering	0.2 mils/yr.
Fungi resistance G21	Pass
<b>Temperature Range</b>	
Application Degree Fahrenheit	55°/120° F
Service Degree Fahrenheit	0°/180° F
VOC	1 G/L
Weight per Gallon	Approx. 10.6 lbs.
<b>Elongation, ASTM D-124</b>	
At 73°F	400%
At 32°F	118%
Low Temperature flexibility D522	Pass Mandrel
<b>Water Vapor ASTM E-96</b>	
<b>Permeability @ (24 mils)</b>	<b>.0025 perms</b>
Dry Time (at min. 75 °F ambient temperature)	
To Touch	1-3 Hours
Throughout	24-48 Hours
Coverage Per Gallon (10.426 mils) 100 SF	Approximately

**Application method:** **StrucSureCoat** can be rolled, brushed or spray applied. The airless sprayer must be a high volume minimum 3000 psi with the spray tip size .32-.50. Consult with your equipment manufacturer for recommendations or a **SureCoat Systems** representative for further details.

#### Material Storage, Safety & Handling procedures:

**StrucSureCoat** has a shelf life of at least 12 Months from the original manufacturing date unopened and in the original Containers. Materials shall be stored in an area specifically designated for that purpose, in accordance with Manufacturer's recommendations, where temperatures will not be less than 55°F or higher than 90°F. Materials shall be handled, stored and installed per Manufacturer's instructions and all applicable safety regulatory agencies.