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Dow Corning Construction Industry System Laboratory Report - Sealant Adhesion

Date: 23 Feb 2004
Document ID: 0000008269
Project Number: 0000005307
Project: General Testing-Acurlite Structural Skylights Inc., Berwick, Pennsylvania UNITED STATES
Job Number: 0000006642
Job Name: General Testing-Acurlite Structural Skylights Inc.
Job Address: 1015 N. Vine Street
 Berwick, Pennsylvania UNITED STATES
Customer Project No:
Customer: Acurlite Structural Skylights Inc.
Customer Fax: 570-759-9552

ADHESION TESTING (Modified ASTM C794) or (ETAG 002 Paragraph 8.3.2.4)

Dow Corning has completed adhesion testing / evaluation in support of the above referenced project. A summary of this laboratory testing / evaluation and application recommendations is given below.

I.	Substrate Description		
Substrate Manufacturer and Code	Keymark, SO8545 Cover Cap		
Supplier and Code			
Substrate Type	Aluminum – Anodized		
Substrate Description	Cover Cap Extrusion with 215R1 #14007 Clear Finish		
Surface to Test	Uniform Surface		
Sealant	Cleaner	Primer	Application Recommendation
Dow Corning® 795 Silicone Building Sealant	Isopropanol	No Primer	Approved for Structural and Weatherseal Applications

2.			
Substrate Description			
Substrate Manufacturer and Code			
Supplier and Code			
Substrate Type		Aluminum - Kynar Fluoropolymer Paint	
Substrate Description		S08545 Cover Cap with Hartford Green Duranar #51733 Finish	
Surface to Test		Painted Face	
Sealant	Cleaner	Primer	Application Recommendation
Dow Corning® 795 Silicone Building Sealant	Isopropanol	Dow Corning® 1200 Prime Coat	Approved for Structural and Weatherseal Applications
Dow Corning® 795 Silicone Building Sealant	Isopropanol	No Primer	Approved for Weatherseal Only Use
3.			
Substrate Description			
Substrate Manufacturer and Code			
Supplier and Code			
Substrate Type		Aluminum - Polyester Powdercoat	
Substrate Description		S08545 Cover Cap with ANSI 49 Grey RPS-7888 Finish	
Surface to Test		Painted Face	
Sealant	Cleaner	Primer	Application Recommendation
Dow Corning® 795 Silicone Building Sealant	Isopropanol	Dow Corning® 1200 Prime Coat	Approved for Structural and Weatherseal Applications
4.			
Substrate Description			
Substrate Manufacturer and Code			
Supplier and Code			
Substrate Type		Aluminum - Duracron Paint Finish	
Substrate Description		S24413 Hip Cap with Quaker Bronze Duracron Finish	
Surface to Test		Painted Face	
Sealant	Cleaner	Primer	Application Recommendation
Dow Corning® 795 Silicone Building Sealant	Isopropanol	No Primer	Approved for Structural and Weatherseal Applications

Each cleaning and primer recommendation for use in structural glazing is only valid when Dow Corning has approved glazing details, and has tested and approved all substrates and accessory materials that contact the structural silicone sealant.

Each cleaning and primer recommendation for use in structural glazing is only valid when the substrate samples tested are representative of those used for the project and this under sender's responsibility.

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It is recommended that regular factory/site adhesion testing be performed throughout the project to confirm that good adhesion is obtained consistently on actual job site substrates. Information and literature on field adhesion testing, quality control testing, and Dow Corning application procedures may be obtained by contacting your Dow Corning distributor or customer service representative.

For further information regarding these test results, please contact your Dow Corning Construction Field Specialist, Timothy J. MacDonald, on 717-336-4035 at Denver, Pennsylvania UNITED STATES
E-mail: t.j.macdonald@dowcorning.com

DOW CORNING CORPORATION

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Enclosures: Structural Quality Assurance Guidelines
Structural Surface Preparation and Installation Procedures

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Dow Corning Construction Industry System Laboratory Report - Sealant Compatibility

Date: 3 Mar 2004
Document ID: 0000008462
Project Number: 0000005307
Project: General Testing-Acurlite Structural Skylights Inc., Berwick, Pennsylvania UNITED STATES
Job Number: 0000006642
Job Name: General Testing-Acurlite Structural Skylights Inc.
Job Address: 1015 N. Vine Street
 Berwick, Pennsylvania UNITED STATES
Customer Project No:
Customer: Acurlite Structural Skylights Inc.
Customer Fax: 570-759-9552

COMPATIBILITY TESTING (Modified ASTM C1087)

Dow Corning has completed compatibility testing / evaluation in support of the above referenced project. A summary of this laboratory testing / evaluation and application recommendations is given below.

I.	Substrate Description
Substrate Manufacturer and Code	Denver
Supplier and Code	
Substrate Type	Backer Rod
Substrate Description	1 1/8" Denver Foam
Surface to Test	Uniform Surface
Sealant	Application Recommendation
Dow Corning® 795 Silicone Building Sealant	Approved for Full Contact in Structural and Weatherseal Applications

2.		Substrate Description
Substrate Manufacturer and Code	Elbex, 2445R EPDM Gasket	
Supplier and Code		
Substrate Type	EPDM Gasket	
Substrate Description	2445R	
Surface to Test	Uniform Surface	
Sealant	Application Recommendation	
Dow Corning® 795 Silicone Building Sealant	Approved for Contact in Weatherseal Applications (Dark Colors Only; Black, Charcoal, or Bronze)	
3.		Substrate Description
Substrate Manufacturer and Code		
Supplier and Code		
Substrate Type	Neoprene Setting Block	
Substrate Description	Black Rubber	
Surface to Test	Uniform Surface	
Sealant	Application Recommendation	
Dow Corning® 795 Silicone Building Sealant	Approved for Contact in Weatherseal Applications (Dark Colors Only; Black, Charcoal, or Bronze)	
4.		Substrate Description
Substrate Manufacturer and Code		
Supplier and Code		
Substrate Type	EPDM Setting Block	
Substrate Description	Black Rubber	
Surface to Test	Uniform Surface	
Sealant	Application Recommendation	
Dow Corning® 795 Silicone Building Sealant	Approved for Contact in Weatherseal Applications (Dark Colors Only; Black, Charcoal, or Bronze)	
5.		Substrate Description
Substrate Manufacturer and Code		
Supplier and Code		
Substrate Type	Silicone Setting Block	
Substrate Description	Black Rubber	
Surface to Test	Uniform Surface	
Sealant	Application Recommendation	
Dow Corning® 795 Silicone Building Sealant	Approved for Full Contact in Structural and Weatherseal Applications	

The results of the compatibility testing are only valid as long as the supplier certifies that neither the formulation nor manufacturing process for these materials has been changed.

For structural glazing application, the results of the compatibility testing are only valid when Dow Corning has approved glazing details, and has tested and approved all substrates and accessory materials that contact the structural silicone sealant.

For further information regarding these test results, please contact your Dow Corning Construction Field Specialist, Timothy J. MacDonald, on 717-336-4035 at Denver, Pennsylvania UNITED STATES
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