



Document ID:

Acurlite Structural Skyights Inc
 1017 North Vine Street
 Berwick, Pennsylvania 18603
 United States

Project Name:
 Project Address:
 Sample Test Name:

Ref.: ADHESION Test Report

Dear Kyle Maylath,

The Dow Corning construction laboratory has completed the adhesion testing in support of your above referenced project.

The adhesion tests are performed in accordance to the Modified ASTM C794. A summary of this laboratory testing / evaluation and application recommendations is given below.

1. Sample Nr 60367		Substrate Details
Substrate Type	Aluminum - Anodized	
Substrate Description	Aluminum S08548 Cover Cap with Class I Clear Anodized Finish	
Surface to Test	Anodized Surface	
Cleaner	Isopropanol	
	Sealant	Primer
	Dow Corning@795 Silicone Building Sealant	Dow Corning@1200 OS Primer
	Dow Corning@795 Silicone Building Sealant	No Primer
	Dow Corning@795 Silicone Building Sealant	Dow Corning@Primer-C OS
	Dow Corning@995 Silicone Structural Sealant	Dow Corning@1200 OS Primer
	Dow Corning@995 Silicone Structural Sealant	No Primer
	Dow Corning@995 Silicone Structural Sealant	Dow Corning@Primer-C OS
		Application Recommendation
		Approved for Structural and Weatherseal Applications
		Approved for Structural and Weatherseal Applications
		Testing indicates that the sealant failed to achieve adequate adhesion to the substrate.
		Approved for Structural and Weatherseal Applications
		Approved for Structural and Weatherseal Applications
		Testing indicates that the sealant failed to achieve adequate adhesion to the substrate.



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2. Sample Nr 60368		Substrate Details	
Substrate Type		Aluminum - Painted	
Substrate Description		Aluminum S08548 Cover Cap Finished with White Kynar	
Surface to Test		Painted Face	
Cleaner		Isopropanol	
Sealant	Primer	Application Recommendation	
Dow Corning®795 Silicone Building Sealant	Dow Corning®1200 OS Primer	Testing indicates that the sealant failed to achieve adequate adhesion to the substrate.	
Dow Corning®795 Silicone Building Sealant	No Primer	Testing indicates that the sealant failed to achieve adequate adhesion to the substrate.	
Dow Corning®795 Silicone Building Sealant	Dow Corning®Primer-C OS	Approved for Structural and Weatherseal Applications	
Dow Corning®995 Silicone Structural Sealant	Dow Corning®1200 OS Primer	Approved for Structural and Weatherseal Applications	
Dow Corning®995 Silicone Structural Sealant	No Primer	Approved for Structural and Weatherseal Applications	
Dow Corning®995 Silicone Structural Sealant	Dow Corning®Primer-C OS	Approved for Structural and Weatherseal Applications	

3. Sample Nr 60369		Substrate Details	
Substrate Type		Aluminum - Alodine Finish	
Substrate Description		Keymark Aluminum S38970 Structural Seal Flange with Alodine Finish	
Surface to Test		Alodine Surface	
Cleaner		Isopropanol	
Sealant	Primer	Application Recommendation	
Dow Corning®795 Silicone Building Sealant	Dow Corning®1200 OS Primer	Approved for Structural and Weatherseal Applications	
Dow Corning®795 Silicone Building Sealant	No Primer	Approved for Structural and Weatherseal Applications	
Dow Corning®795 Silicone Building Sealant	Dow Corning®Primer-C OS	Approved for Structural and Weatherseal Applications	
Dow Corning®995 Silicone Structural Sealant	Dow Corning®1200 OS Primer	Approved for Structural and Weatherseal Applications	
Dow Corning®995 Silicone Structural Sealant	No Primer	Testing indicates that the sealant failed to achieve adequate adhesion to the substrate.	
Dow Corning®995 Silicone Structural Sealant	Dow Corning®Primer-C OS	Approved for Structural and Weatherseal Applications	



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4. Sample Nr 60372		Substrate Details	
Substrate Type	Glass - Clear		
Substrate Description	Oldcastle Insulated Unit, 1/4" Clear Temp, Solarban 70 #2, 1/2" Mill Airspace, 3/16" Clear HS, .060" Clear Interlayer, 3/16" Clear HS		
Surface to Test	Glass Lite #6		
Cleaner	Isopropanol		
	Sealant	Primer	Application Recommendation
	Dow Corning®795 Silicone Building Sealant	No Primer	Approved for Structural and Weatherseal Applications
	Dow Corning®995 Silicone Structural Sealant	No Primer	Approved for Structural and Weatherseal Applications

5. Sample Nr 60373		Substrate Details	
Substrate Type	Glass - IG Unit		
Substrate Description	Oldcastle Insulated Unit, 1/4" Clear Temp, Solarban 70 #2, 1/2" Mill Airspace, 3/16" Clear HS, .060" Clear Interlayer, 3/16" Clear HS		
Surface to Test	Edge		
Cleaner	Isopropanol		
	Sealant	Primer	Application Recommendation
	Dow Corning®795 Silicone Building Sealant	No Primer	Approved for Weatherseal Applications
	Dow Corning®995 Silicone Structural Sealant	No Primer	Approved for Weatherseal Applications

6. Sample Nr 60374		Substrate Details	
Substrate Type	Plastic		
Substrate Description	Korolath Black Plastic Shim Strip		
Surface to Test	Face		
Cleaner	Isopropanol		
	Sealant	Primer	Application Recommendation
	Dow Corning®795 Silicone Building Sealant	Dow Corning®1200 OS Primer	Approved for Weatherseal Applications
	Dow Corning®795 Silicone Building Sealant	No Primer	Approved for Weatherseal Applications
	Dow Corning®795 Silicone Building Sealant	Dow Corning®Primer-C OS	Approved for Weatherseal Applications

Good adhesion to polyester powdercoat is dependent on good solvent cleaning techniques. On-site trials must be performed to ensure that cleaning techniques and polyester paint batches are giving consistent adhesion. Xylene, MEK and white spirit are the most effective solvents for cleaning polyester powdercoat. Poor cleaning may result in ZERO adhesion.



Document ID:

Acurlite Structural Skylights Inc
 1017 North Vine Street
 Berwick, Pennsylvania 18603
 United States

Project Name:
 Project Address:
 Sample Test Name:

Ref.: COMPATIBILITY Test Report

Dear Kyle Maylath,

The Dow Corning construction laboratory has completed the compatibility testing in support of your above referenced project.

1. Sample Nr 60374		Substrate Details	
Substrate Type		Plastic	
Substrate Description		Korolath Black Plastic Shim Strip	
Surface to test		Face	
Sealant		Application Recommendation	
Dow Corning®795 Silicone Building Sealant		Approved for Contact in Weatherseal Applications	

2. Sample Nr 60375		Substrate Details	
Substrate Type		Neoprene Setting Block	
Substrate Description		Zialoc Neoprene Thermal Separator	
Surface to test		Uniform Surface	
Sealant		Application Recommendation	
Dow Corning®795 Silicone Building Sealant (See * Below)		Approved for Contact in Weatherseal Applications (Dark Colors Only, Black or Bronze)	
Dow Corning®995 Silicone Structural Sealant (See * Below)		Approved for Contact in Weatherseal Applications (Black Only)	



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3. Sample Nr 60376	
Substrate Type	Substrate Details
Substrate Description	Silicone Setting Block
Surface to test	Zialoc Gray Silicone Setting Block
	Uniform Surface
Sealant	Application Recommendation
Dow Corning®795 Silicone Building Sealant	Approved for Contact in Structural and Weatherseal Applications
Dow Corning®995 Silicone Structural Sealant	Approved for Contact in Structural and Weatherseal Applications

4. Sample Nr 60377	
Substrate Type	Substrate Details
Substrate Description	Gasket
Surface to test	Trelleborg RM360555 Gasket
	Uniform Surface
Sealant	Application Recommendation
Dow Corning®795 Silicone Building Sealant (See * Below)	Approved for Contact in Weatherseal Applications (Dark Colors Only, Black or Bronze)
Dow Corning®995 Silicone Structural Sealant (See * Below)	Approved for Contact in Weatherseal Applications

5. Sample Nr 60378	
Substrate Type	Substrate Details
Substrate Description	EPDM Gasket
Surface to test	Trelleborg RM260555 EPDM Gasket
	Uniform Surface
Sealant	Application Recommendation
Dow Corning®795 Silicone Building Sealant (See * Below)	Approved for Contact in Weatherseal Applications (Dark Colors Only, Black or Bronze)
Dow Corning®995 Silicone Structural Sealant (See * Below)	Approved for Contact in Weatherseal Applications (Black Only)

6. Sample Nr 60379	
Substrate Type	Substrate Details
Substrate Description	Backer Rod
Surface to test	Nomanco Open Cell Backer Rod
	Uniform Surface
Sealant	Application Recommendation
Dow Corning®795 Silicone Building Sealant	Approved for Contact in Weatherseal Applications
Dow Corning®995 Silicone Structural Sealant	Approved for Contact in Weatherseal Applications