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United States

Dow Corning Construction Industry System General Test Laboratory Report - Sealant Adhesion

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Project Number: 16-000211

Project Name: Polyurethane Reinforced Glass (GENERAL TEST)

ADHESION TESTING (Modified ASTM C794 Adhesion-in-Peel of Elastomeric Joint Sealants) or (ETAG 002 Paragraph 8.3.2.4)

This letter summarizes the final results of the peel adhesion testing of the Dow Corning® Weatherproofing Sealants as you requested.

Method Description: Substrates are cleaned and primed if necessary. The requested Dow Corning sealant is applied to the prepared substrate and a mesh is imbedded to a uniform depth into the wet sealant. More sealant is applied over the first bead and mesh screen; and then the excess sealant, while still wet, is removed beyond the edge of the mesh screen. Samples are allowed to cure 7 days at 73 +/- 4 Deg F and 50% +/- 5% RH. A pull test is then performed. The sample is then immersed in water for one day, and another pull test is performed.

General Test Guidelines: The attached test results performed as a “General Test” do not constitute an approval by Dow Corning for any Dow Corning Sealant application. The substrates provided, tests performed and test results were made at your request according to ASTM C794 testing with reporting of peel strength (lbs/in) and mode of failure (% cohesive). Dow Corning disclaims any responsibility and/or liability for use of the peel strength and mode of failure test results in any project specific application as conditions and methods of use are beyond our control. The results of these tests are not sufficient to obtain a Dow Corning warranty on a current or future project. If a Dow Corning warranty is required or requested for an intended end use, additional samples and retesting must be performed by a Dow Corning test lab as outlined in the Americas Technical Manual.

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Product	Primer	Material Failure	7 Day Cure at Room Temperature		1 Day Water Immersion		7 Day Water Immersion		
		Material Failure	Peel Strength (pli)	Cohesive Failure %	Peel Strength (pli)	Cohesive Failure %	Peel Strength (pli)	Cohesive Failure %	
Sample Number 75943- Polyurethane Reinforced Glass									
795 Black	1200-OS Clear	No	32	100	40	100	22	100	
795 Black	NONE None	No	30	100	22	100	24	100	
795 Black	PrimerC-OS Clear	No	24	100	24	100	24	100	

Product	Primer	Material Failure	1 Day Cure at Room Temperature		7 Day Cure at Room Temperature		1 Day Water Immersion		7 Day Water Immersion	
		Material Failure	Peel Strength (pli)	Cohesive Failure %	Peel Strength (pli)	Cohesive Failure %	Peel Strength (pli)	Cohesive Failure %	Peel Strength (pli)	Cohesive Failure %
Sample Number 75943- Polyurethane Reinforced Glass										
983SGS Black	1200-OS Clear	No	22	100	26	100	30	100	24	100
983SGS Black	NONE None	No	18	100	28	100	28	100	22	100
983SGS Black	PrimerC-OS Clear	No	20	100	24	100	28	100	20	100

PLI = Pound per Lineal Inch

Cohesive Failure= The sealant failed within itself versus adhesive failure when the sealant de-bonds from the substrate.

Preparation: Isopropyl alcohol (IPA) wipe

Conditions: 7 day cure (73 +/-4 F° and 50 +/- 5% Relative Humidity), 1 day water immersion.

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of the shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

Sincerely,



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