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Soudal NV  
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Att: Mr. Manu De Smedt

Re: **DL-15856A**  
Via E-mail: [desmedt@soudal.com](mailto:desmedt@soudal.com)

### OBJECTIVE

To test a sealant for conformance to ASTM C 920, "Standard Specification for Elastomeric Joint Sealants", Type S, Grade NS, Class 25, Use T, NT, A and M.

### PRODUCT TESTED

The sealant was submitted by Soudal NV for testing and identified as:

**Soudaflex 40FC**, Black, Lot: 0123456 02/10

### TEST PROCEDURE

The sealant was tested in accordance with procedures outlined in ASTM C 920. Cyclic movement was conducted at +25% extension and -25% compression. The aluminum substrates were solvent cleaned, rinsed in deionized water and air dried. No primers were used.

### TEST RESULTS

The test results can be found in the Appendix.

### CONCLUSION

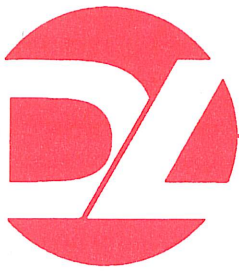
The submitted sample of **Soudaflex 40FC** sealant conforms to the requirements of ASTM C 920, "Standard Specification for Elastomeric Joint Sealants", Type S, Grade NS, Class 25, Use T, NT, A and M to the extent tested and with the exception of Section 8.8 Adhesion & Cohesion Under Cyclic Movement.

DL Labs, Inc.

  
Mario Lazaro, Jr.  
Assistant Technical Director

This report may contain test data obtained from test methods not covered by NVLAP accreditation. See reverse side for those test methods which are covered.

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## APPENDIX

**Soudaflex 40FC**  
**ASTM C 920, "Standard Specification for Elastomeric Joint Sealants"**  
**Type S, Grade NS, Class 25, Use T, NT, A and M**

<u>Par.</u>	<u>Test</u>	<u>Requirement</u>	<u>Result</u>
8.1.2.1	Rheological Properties		
	Vertical	3/16" max. flow	
	122°F		None
	40°F		None
	Horizontal	No deformation	
	122°F		None
	40°F		None
8.2.2	Extrusion Rate	>10mL/min	10 mL/min
8.4.2	Hardness – Shore A	Between 25 and 50	45
8.5	Effect of Heat Aging		
	Weight Loss	7% max.	0.4%
	Cracking	None	None
	Chalking	None	None
8.6	Tack-Free Time	72 hours max.	1½-hours
8.7	Stain and Color Change	No visible stain	No staining
8.8	Adhesion & Cohesion Under Cyclic Movement		
	Aluminum	1½ in² max. Total bond loss	2 in² bond loss *
	Mortar	"	3 in² bond loss *
8.9	Adhesion-in-Peel		
	Aluminum	5 lbf minimum 25% adhesive loss max.	19 lbf 15% adh. loss
	Mortar	"	15 lbf 5% adh. loss

\* - Does not conform to specification requirement.



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### TEST RESULTS (cont.)

<u>Par.</u>	<u>Test</u>	<u>Requirement</u>	<u>Result</u>
8.11	Effects of Accelerated Weathering	UV exposure – Cracking Figure - 2 max. Cold Temp. – Cracking Figure - 2 max.	No cracking  No cracking

**NOTE:** lbf - pounds of force  
Max. - maximum

sec. - seconds  
adh. - adhesive