

ASTM International C24 Technical Sealant Committee – 28 year Member

March 13, 2014

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OBJECTIVE

Test Sikaflex PRO-3 according to ASTM C 920-11, “Standard Specification for Elastomeric Joint Sealants” for conformance to Type S, Grade NS, Class 35, Uses NT, T₁, M and I. Mortar was primed with Sika Primer-3 N.

SEALANT TESTED

Name: Sikaflex PRO-3
 Color: Gray

PRIMERS:

Mortar: Sika Primer-3 N

TEST PROCEDURES

Applicable test methods, procedures and criteria were chosen from ASTM C920-11 for a single component, non-slump product. All test methods used were developed and approved by members of ASTM C24 Sealant Technical Committees as documented in 2011 edition of Volume 04.07.

TEST RESULTS

<u>Section</u>	<u>Test Description</u>	<u>Criteria</u>	<u>Result</u>
8.1.2	<u>Rheological Properties (ASTM C 639)</u>		
	Vertical		
	122°F	3/16” maximum	0”
	40°F	3/16” maximum	0”
	Horizontal		
	122°F	No deformation	None
	40°F	No deformation	None

<u>Section</u>	<u>Test Description</u>	<u>Criteria</u>	<u>Result</u>
8.2.2	<u>Extrusion Rate (ASTM C 1183)</u>	>10 ml/min	60 ml/min
8.4	<u>Hardness – Shore A (ASTM C 661)</u>		
	Use NT	<60 Shore A	43 Shore A
	Use T ₁	>25 Shore A	43 Shore A
8.5	<u>Effect of Heat Aging (ASTM C 1246)</u>		
	Weight Loss	7% max.	1.10 %
	Cracking	None	None
	Chalking	None	None
8.6	<u>Tack-Free Time (ASTM 679)</u>	<72 hours	1.25 hours
8.7	<u>Stain and Color (ASTM C510)</u>		
	White Cement Mortar	No Visible Stain	None
8.8	<u>Cyclic Movement (ASTM C 719, Class 35)</u>		
	Mortar	1 ½ in. ² max.	0.00 in. ²
8.9	<u>Adhesion-in-Peel (ASTM C794)</u>		
	Mortar	> 5 pli & < 25% AF	53.7 pli, 0% AF
8.11	<u>Effects of Accelerated Weathering (ASTM C793)</u>		
	UV Exposure	<3 Rating	0 Rating
	-26C Mandrel Bend	<3 Rating	0 Rating
8.12	<u>Effects Conituous Water Immersion (ASTM C1247)</u>		
	Class 2	1 ½ in. ² max.	0.00 in. ²

