

The following are the Specifications that apply to all joint sealants made for use in the United States.

ASTM C 920

STANDARD SPECIFICATION OF ELASTOMERIC JOINT SEALANTS

The ASTM C-920 is the Standard Specification for Elastomeric Joint Sealants that are either single or multi-component, cold applied Elastomeric sealants. The requirements involved in the testing and their meanings are listed as follows:

ASTM C920 Referenced test methods:

C 510 Test Method for Staining and Color Change of Single- or Multi-component Joint Sealants
C 639 Test Method for Rheological (Flow) Properties of Elastomeric Sealants
C 661 Test Method for Indentation Hardness of Elastomeric-Type Sealants by Means of a Durometer
679 Test Method for Tack-Free Time of Elastomeric Sealants
C 719 Test Method for Adhesion and Cohesion of Elastomeric Joint Sealants Under Cyclic Movement (Hockman Cycle)
C 793 Test Method for Effects of Accelerated Weathering on Elastomeric Joint Sealants
C 794 Test Method for Adhesion-in-Peel of Elastomeric Joint Sealants
C 1183 Test Method for Extrusion Rate of Elastomeric Sealants
C 1246 Test Method for Effects of Heat Aging on Weight Loss, Cracking and Chalking of Elastomeric Sealants After Cure
C 1247 Test Method for Durability of Sealants Exposed to Constant Immersion in Liquids

The above test methods are used to determine the ASTM C920 reported values. The results are given as below.

Type:

S - Single Component
M - Multi-Component

Grade:

P - Pourable
NS - Non-sag

Movement Capability Class:

Class 100/50 - 100% expansion / 50% compression
Class 50 - 50%
Class 35 - 35%
Class 25 - 25%
Class 12.5 - 12.5%

Use:

T - Traffic
NT - Non-traffic
I - Immersed
M - Mortar
G - Glass
O - Other

Example:

Product Specification: ASTM C920, Type M, Grade P, Class 100/50, Use T, & Jet Fuel Resistant - SS-S-200-E

Approved Product: TuffTex Materials, Inc. RepSeal JFR- 2 Component, Jet Fuel Resistant for Runways & Refuel Pits