

Technical Service Bulletin No. S-05-03

ASTM C 920

STANDARD SPECIFICATION OF ELASTOMERIC JOINT SEALANTS

The ASTM C-920 is the Standard Specification for Elastomeric Joint Sealants that are either cured 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
- C 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: | | Movement Capability Class | |
| S | - Single Component | Class 100/50 | - 100% expansion |
| M | - Multi-Component | | 50% compression |
| | | Class 50 | - 50% |
| Grade: | | Class 35 | - 35% |
| P | - Pourable | Class 25 | - 25% |
| NS | - Non-sag | Class 12.5 | - 12.5% |

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