



TECHNICAL BULLETIN CP-10

EUCOLASTIC SEALANTS: ASTM C 920

STANDARD SPECIFICATION FOR ELASTOMERIC JOINT SEALANTS

ASTM C 920 is the Standard Specification for Elastomeric Joint Sealants that are cured single or multi-component, cold applied elastomeric sealants. The requirements involved in the testing and their meanings are described below.

ASTM C 920 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
- 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
- C 1247** Test Method for Durability of Sealants Exposed to Constant Immersion in Liquids

These test methods are used to determine ASTM C 920 reported values. The results are given as below:

| Type: | Use: | Movement Capability Class: |
|----------------------|------------------|---|
| S - Single-Component | T - Traffic | Class 100/50 - 100% expansion/50% compression |
| M - Multi-Component | NT - Non-Traffic | Class 50 - 50% expansion/compression |
| | I - Immersed | Class 35 - 35% expansion/compression |
| Grade: | M - Mortar | Class 25 - 25% expansion/compression |
| NS - Non-sag | G - Glass | Class 12.5 - 12.5% expansion/compression |
| P - Pourable | O - Other | |

The ASTM C 920 classifications for Euclid Chemical's Eucolastic sealants are as follows:

EUCOLASTIC 1NS - Type S, Grade NS, Class 35, Use NT, M, A, and O

EUCOLASTIC 1SL - Type S, Grade P, Class 50, Use T, M, A, O and I (Class 2)