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

<table>
<thead>
<tr>
<th>Type:</th>
<th>Use:</th>
<th>Movement Capability Class:</th>
</tr>
</thead>
<tbody>
<tr>
<td>S – Single Component</td>
<td>T – Traffic</td>
<td>Class 100/50 – 100% expansion/50% compression</td>
</tr>
<tr>
<td>M – Multi-Component</td>
<td>NT – Non-traffic</td>
<td>Class 50 – 50% expansion/compression</td>
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<tr>
<td></td>
<td>I – Immersed</td>
<td>Class 35 – 35% expansion/compression</td>
</tr>
<tr>
<td>Grade:</td>
<td>M – Mortar</td>
<td>Class 25 – 25% expansion/compression</td>
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<tr>
<td>NS – non-sag</td>
<td>G – Glass</td>
<td>Class 12.5 – 12.5% expansion/compression</td>
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<tr>
<td>P – Pourable</td>
<td>O – Other</td>
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These test methods are used to determine ASTM C 920 reported values. The results are given as below:

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)
- **Eucolastic 2NS** Type M, Grade NS, Class 50, Use T, NT, M, A, O, and I (Class 2)
- **Eucolastic 2SL** Type M, Grade P, Class 25, Use T, M, and O