



STATE OF CALIFORNIA

Specification

8030-61J-01

March 2006

Two Component, Machine Mixed, Type A Sealant

1.0 SCOPE

This specification describes a two-component, machine mixed, polyurethane or silicone joint sealant for use where movement of the joint occurs. The polyurethane sealant, when properly applied against a clean sound surface, will reject foreign material, resist infiltration of water into the joint, and withstand up to ± 25 percent movement. The two-component silicone sealant shall withstand up to ± 50 percent movement. If recommended by the manufacturer, primer may be used on the joint faces to improve adhesion.

2.0 APPLICABLE SPECIFICATIONS

California Test Method, CT 435.

California Department of Transportation, Standard Specifications, latest edition, Section 51-1.12F(3), Type A and AL seal.

3.0 REQUIREMENTS

When tested in accordance with California Test Method 435, the sealant shall meet the following requirements:

Modulus at 150 percent elongation, psi	8 - 75
Width of sealant after 7 days extension and one hour recovery, inches	21/32 maximum
Condition 24 hours after notching	Notched or loss of bond $\frac{1}{4}$ inch, maximum.
Condition of water immersed specimen at 7 days	Notched or loss of bond $\frac{1}{4}$ inch, maximum
Condition of specimen when tested in accordance with the requirements in ASTM Designation: G 154, Table X2.1, Cycle 2.	No more than slight checking or cracking
Grease cone penetration, dmm	45 - 120

In addition to the above, sealant shall be self-leveling but cure rapidly enough to avoid flow after application on grades up to 15 percent.

There shall be no skinning in the containers of either component of the two-component sealant. Any settlement in the containers shall be thoroughly

wetted, soft and mushy and shall be easily dispersed by hand stirring to form a smooth uniform product.

Directions:

Mixing of one or both components separately before using may be necessary.

Material that has been exposed to the atmosphere for more than 24 hours shall not be used.

Equipment used shall be approved by the manufacturer of the sealant. Proper proportioning and mixing of the two components is critical.

This material shall emit no objectionable odor.

4.0 QUALITY ASSURANCE PROVISIONS

4.1 Inspection:

Each batch of this material intended for a Caltrans project shall be inspected and tested. The manufacturer should send a representative one-quart sample of each batch to the Transportation Laboratory, 5900 Folsom Blvd, Sacramento, CA 95819. When the sample has completed testing and received a passing test result, an approval fax will be sent to the manufacturer. For more information on testing and sampling, contact Lisa Dobeck at (916) 227-7291.