

Dow Performance Silicones

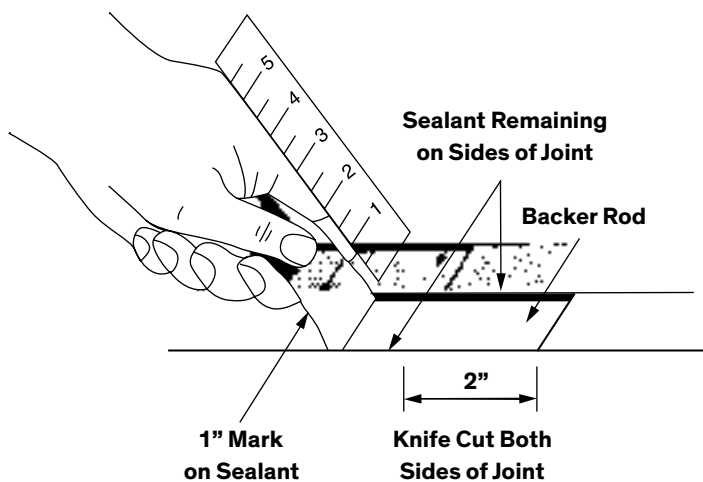
Field Adhesion Test For Use With DOWSIL™ Brand Silicone Pavement Joint Sealants



Adhesion Test

A simple hand pull test may be performed on the job site after the sealant is fully cured (usually within 14 to 21 days). The hand pull test procedure is as follows:

1. Make a knife cut perpendicular to the joint from one side of the joint to the other.
2. Make two parallel cuts approximately 2" long, along each side of the joint.
3. Place a 1" mark on the sealant tab as shown in Figure 1.
4. Grasp the 2" piece of sealant firmly just beyond the 1" mark and pull at a 90° angle. Hold a ruler along side the sealant.
5. If the 1" mark on the sealant can be pulled to the 5 1/2" mark on the ruler (total pull of 4 1/2" or 450% elongation) and held with no failure of sealant, the sealant should perform in a joint designed for +100/-50% movement.



Significance and Use

This is not a precise, scientific test, but a simple screening procedure that may help detect such problems as improper cleaning, improper installation or other problems that may affect adhesion.



Repair of Sealant in Adhesion Test Area

Sealant may be replaced in test area easily by merely applying more sealant in the same manner it was originally installed (assuming good adhesion was obtained). Care should be taken to ensure that the new sealant is in contact with the original and the original sealant surfaces are clean so that good bond between the new and old sealant will be obtained.

Precision and Accuracy

These are not precise, scientific tests, but simple screening procedures. The precision and accuracy of these tests have not been determined.

Learn More

For more information about how DOWSIL™ silicone solutions can help meet your high performance building needs, visit consumer.dow.com/construction.

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