

When applying joint sealants on projects requiring field air/water leakage testing the guidelines published here should be followed to ensure the sealants are fully cured prior to testing. Uncured or partially cured sealants may result in a compromised seal and subsequently a test failure. In order to avoid testing failures and potential project delays, Pecora has determined the minimum sealant cure times for both single component and multi-component type joint sealants.

Pressurized air/water leakage chamber tests include, but not limited to, the following ASTM procedures:

- ASTM E779 Standard Test Method for Determining Air Leakage Rate by Fan Pressurization
- ASTM E1827 Standard Test Methods for Determining Airtightness of Buildings Using an Orifice Blower Door
- ASTM E1105 Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference
- ASTM E331 Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference

Also performed are hose stream tests where the sealants are subjected to a water spray only. These tests are less rigorous and will require a reduced cure time due to the lack of exposure to static pressures and additional stresses placed on the sealant bond.

The following sealant cure times are required when air/water leakage field tests are to be conducted on projects involving Pecora’s joint sealants:

Joint Sealant Type	Leakage Test	Minimum Sealant Cure Time <sup>1</sup> , days
Single Component, Moisture Cure (i.e. 890NST, 864NST, Dynatrol I-XL Hybrid, etc)	Pressurized Chamber	21
	Water Spray/Hose Stream Only	7
Multi-Component, Chemical Cure (i.e. Dynatrol II, Dynatred, Dynaflex, etc)	Pressurized Chamber	14
	Water Spray/Hose Stream Only	7

<sup>1</sup> Sealant cure times are based on ambient temperature and relative humidity conditions of 75°F/50%rh. Low ambient temperatures (<50°F) and relative humidity will extend sealant cure times.

Pecora Corporation joint sealants and waterproofing products shall be installed in accordance with published specification data with regards to appropriate surface preparation, movement capabilities, and proper joint design.

