

JOINT SEALANT
DOTD Designation: S 611-99

JOINT SEALANT
(EXCEPT SILICONE POLYMER JOINT SEALANT)

I. General

A. Equipment

1. DOTD stamp, ink pad and suitable markers for identification.
2. Tape for sealing pallets once sample has been obtained.
3. MATT forms, envelopes and tape for securing to sample container.

B. Safety Precautions

It is the responsibility of the user of this sampling method to establish appropriate safety practices including, but not limited to, lifting heavy containers.

II. Preliminary Source Approval (Material Stored at In-State Warehouse Only)

A. Warehouser Responsibilities

1. Notify the District Laboratory in the District in which the warehouse is located for DOTD lot approval allowing adequate time for scheduling by the District Laboratory.
2. Have the joint material separated by manufacturer's lot.
3. Provide access for District Laboratory Representative to easily obtain random samples.
4. Once the sample is taken, seal, stamp and mark each pallet of the lot or stamp each container on the pallet with the DOTD lot number. (Obtain stamps for this purpose from the District Laboratory personnel.)
5. After approval of joint material, provide a Certificate of Delivery with each DOTD lot shipped to the job site.
6. If the material is not approved, void the DOTD lot number by marking through the number.

B. District Laboratory Responsibilities

1. Upon arrival at the warehouse, identify the joint material by manufacturer's lot.
2. Randomly select one unit of each component from each manufacturer's lot.
3. Identify the sample with the DOTD lot number used to designate the lot of which it is representative.
4. Once the sample is taken, have the warehouse personnel seal, stamp and mark each pallet of the lot or stamp each container on the pallet with the DOTD lot number. (Obtain stamps for this purpose from the Materials & Testing Section.)
5. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and forward to the Materials & Testing Section for testing.
6. For any lot of material not conforming to specifications and receiving a failing report, return to the storage facility to ensure that the supplier of the material has voided the DOTD lot number.

C. Certificate of Delivery From the Joint Material Supplier (In-State Warehouse)

Upon receiving approval and a passing laboratory number from the Materials & Testing Section, submit with each DOTD lot of joint material a Certificate of Delivery to the Project Engineer along with a copy to the Materials & Testing Section. The CD must be signed by an authorized representative of the company.

III. Sampling at the Project Site (Material Not Stored at In-State Warehouse)

Note: Use this procedure for those joint material suppliers not having permanent storage facilities within the state or joint material arriving on project without proper Certificate

of Delivery. Sample for acceptance at the project site on which the joint material is to be used.

A. Contractor Responsibilities

1. Provide adequate storage facilities at the project site for all joint material for the purpose of obtaining acceptance of the material prior to application.
2. Have the pallets of joint material separated by manufacturer's lot.
3. Provide access for Project Engineer to easily obtain random samples and to seal, stamp and mark each pallet.

B. Project Engineer Responsibilities

1. Identify the joint material by manufacturer's lot.
2. Randomly select one unit of each component from each lot.
3. Identify and mark the sample with the sample identification number used to designate the lot of which it is representative.
4. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and forward to the Materials & Testing Section for testing.

SILICONE POLYMER JOINT SEALANT

I. General

A. Equipment

1. DOTD stamp, ink pad and suitable markers for identification.
2. One gal friction top cans for each lot to be sampled.
3. Plastic to place over silicone polymer joint sealant once it is sampled to act as a vapor barrier.
4. MATT forms, envelopes and tape for securing to sample container.

B. Safety Precautions

It is the responsibility of the user of this sampling method to establish appropriate safety practices including, but not limited to, exposure to hazardous fumes and lifting heavy containers.

II. Preliminary Source Approval (Material Stored at In-State Warehouse Only)

A. Warehouse Responsibilities

1. Notify the District Laboratory in the District in which the storage facility is located for DOTD lot approval allowing adequate time for scheduling by the District Laboratory.
2. Have the silicone polymer joint sealant separated by manufacturer's lot.
3. Provide access for District Laboratory Representative to easily obtain random samples from each lot.
4. Once the sample has been obtained, stamp, mark and seal each pallet of the lot or each container on the pallet with the DOTD lot number. (Obtain stamps for this purpose from the District Laboratory personnel.)
5. After approval of silicone polymer joint sealant, provide a Certificate of Delivery with each lot shipped to the job site.
6. If the material is not approved, void the DOTD lot number by marking through the number.

B. District Laboratory Responsibilities

1. For Containers of 5 Gal or Less
 - a. Upon arrival at the warehouse, identify the silicone polymer joint sealant by manufacturer's lot.
 - b. Randomly select one sample unit from each lot.
 - c. Identify the sample with the DOTD lot number used to designate the lot of which it is representative.
 - d. Once the sample is taken, have the warehouse personnel seal, stamp and mark each pallet of the lot or stamp each container on

- the pallet with the DOTD lot number. (Obtain stamps for this purpose from the Materials & Testing Section.)
- e. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and forward to the Materials & Testing Section for testing.
 - f. For any lot of material not conforming to specifications and receiving a failing report, return to the storage facility to ensure that the supplier of the material has voided the DOTD lot number.
2. For Containers in Excess of 5 Gal
- a. Upon arrival at the warehouse, identify the silicone polymer joint sealant by manufacturer's lot.
 - b. Randomly select one container from each lot.
 - c. Identify the sample with the DOTD lot number used to designate the lot of which it is representative.
 - d. With minimum disturbance to the silicone polymer joint sealant, remove any skin and completely immerse a 1 gal can into the sample completely filling the can having a minimum amount of air space above the sample.
 - e. Place a piece of plastic over the sample in order to prevent moisture from prematurely curing the sample.
 - f. Once the sample is taken, have the warehouse personnel seal, stamp and mark each pallet of the lot or stamp each container on the pallet with the DOTD lot number. (Obtain stamps for this purpose from the Materials & Testing Section.)
 - g. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and forward to the Materials & Testing Section for testing.
 - h. For any lot of material not conforming to specifications and receiving a failing report, return to the storage facility to ensure that the supplier of the material has voided the DOTD lot number.
- C. **Certificate of Delivery From the Silicone Polymer Joint Sealant Supplier (In-State Warehouse)**
- Upon receiving approval and a passing laboratory number from the Materials & Testing Section, submit with each lot of joint material a Certificate of Delivery to the Project Engineer along with a copy to the Materials & Testing Section. The CD must be signed by an authorized representative of the company.

III. Sampling at the Project Site (Material Not Stored at In-State Warehouse)

Note: Use this procedure for those silicone polymer joint sealant suppliers not having permanent storage facilities within the state or silicone polymer joint sealant arriving on project without proper Certificate of Delivery. Sample for acceptance at the project site on which the joint material is to be used.

- A. **Contractor Responsibilities**
1. Provide adequate storage facilities at the project site for all joint material for the purpose of obtaining acceptance of the material prior to application.
 2. Have the pallets of joint material separated by manufacturer's lot.
 3. Provide access for Project Engineer to easily obtain random samples from each lot.
- B. **Project Engineer Responsibilities**
1. For Containers of 5 Gal or Less
 - a. Upon arrival at the project site identify the silicone polymer joint sealant by manufacturer's lot.
 - b. Randomly select one container from each lot.
 - c. Identify the sample with the Sample identification number used to designate the lot of which it is representative.
 - d. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and

forward to the Materials & Testing Section for testing.

2. For Containers in Excess of 5 Gal
 - a. Upon arrival at the project site identify the silicone polymer joint sealant by manufacturer's lot.
 - b. Randomly select one container from each lot.
 - c. Identify the sample with the sample identification number used to designate the lot of which it is representative.
 - d. With minimum disturbance to the silicone polymer joint sealant, remove any skin and completely immerse a 1 gal can into the sample completely filling the can having a minimum amount of air space above the sample.
 - e. Place a piece of plastic over the sample in order to prevent moisture from prematurely curing the sample.
 - f. Place a properly completed, unsoiled identification form into a sample envelope. Securely fasten the envelope to the sample and forward to the Materials & Testing Section for testing.