

**PAINTS AND THINNERS**  
DOTD Designation: S 604-99

**I. General**

**A. Equipment**

1. One pint friction top can and lid.
2. Can opener.
3. Mechanical agitator (Jiffy mixer type).
4. Clean sampling device.
5. Stamp for DOTD lot number with ink pad.
6. MATT forms and envelopes.

**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 flammable and hazardous materials and heavy lifting.

**II. Bridge Systems and Thinners**

**A. Sampling at an approved warehouse (Louisiana Warehouse Only)**

1. Warehouse Responsibilities
  - a. Notify the District Laboratory in the district in which the warehouse is located and request sampling and testing for batch approval allowing adequate time for scheduling by the District Lab and testing by the Materials and Testing Section.
  - b. Separate the materials to be sampled into individual manufacturer's batch number.
  - c. Provide access to enable the District Lab personnel to randomly select a representative container and facilitate the marking of individual containers or pallets.
  - d. For pigmented paints, mechanically agitate the contents of the container selected by the District Lab personnel until the coating is homogeneous and there is no settled pigment in the container.
  - e. While agitating, place 1 pt of the material into a 1 pt friction top can using a clean sampling device.
  - f. As directed by the District Lab personnel stamp and mark each container or sealed pallet with the DOTD lot number.
  - g. After approval of a manufacturer's batch of paints or thinners, a Certificate of Delivery shall accompany each shipment to the job site.
  - h. If the batch is not approved, void the DOTD lot number by marking through the number.
2. District Laboratory Responsibilities
  - a. Identify each manufacturer's batch number and material to be tested by DOTD lot. For multiple component paints, each component shall be sampled separately.
  - b. Randomly select one container from each different material and manufacturer batch number.
  - c. For pigmented paints, witness the warehouse personnel mechanically agitate the contents of the container selected by the District Lab personnel until the coating is homogeneous and there is no settled pigment in the container.
  - d. Witness the warehouse personnel properly sample the material.
  - e. Write the DOTD lot number and the manufacturer's batch number on the sample can.
  - f. Once the samples are taken, have the warehouse personnel stamp and mark each container or sealed pallet of that batch with the DOTD lot number. (Obtain stamps for this purpose from the Materials & Testing Section.)
  - g. Place a properly completed, unsoiled sample identification form in an envelope and securely attach the envelope to the sample

- container. Forward the samples to the Materials & Testing Section for testing. The disposition of results shall be reported by the Materials & Testing Section to the District Laboratory.
- h. For any batch 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.
3. **Certificate of Delivery From the Warehouse**  
Upon receiving approval and a passing laboratory number from the Materials & Testing Section, submit with each DOTD lot of approved material a Certificate of Delivery to the project engineer along with a copy to the Materials & Testing Section.
- B. Sampling at Project Site**
1. **Contractor Responsibilities**
    - a. Notify the project personnel and request sampling and testing for batch approval allowing adequate time for sample transportation and testing by the Materials and Testing Section.
    - b. Separate the materials to be sampled into individual manufacturer's batch number.
    - c. Provide access to enable the project personnel to randomly select a representative container.
    - d. For pigmented paints, mechanically agitate the contents of the container selected by the project personnel until the coating is homogeneous and there is no settled pigment in the container.
    - e. While agitating, place 1 pt of the material into a 1 pt friction top can using a clean sampling device.
  2. **Project Engineer Responsibilities**
    - a. Identify each manufacturer's batch number and material to be tested. For multiple component paints, each component shall be sampled separately.
    - b. Randomly select one container from each different material and manufacturer batch number.
    - c. For pigmented paints, witness the contractor personnel mechanically agitate the contents of the container selected by the project personnel until the coating is homogeneous and there is no settled pigment in the container.
    - d. Witness the contractor's personnel properly sample the material.
    - e. Write the DOTD lot number and the manufacturer's batch number on the sample can.
    - f. Place a properly completed, unsoiled sample identification form in an envelope and securely attach the envelope to the sample container. Forward the samples to the Materials & Testing Section for testing. The disposition of results shall be reported by the Materials & Testing Section to the project personnel.

**III. All Purpose Paints**

See Step II.B.

**IV. Marine Coatings (For Barges, Tugs and Ferryboats)**

See Step II.B.