

5.16.27 SAMPLING JOINT COMPOUND MATERIALS
(Kansas Test Method KT-27)

a. SCOPE

This method covers procedure for sampling joint compound materials including materials for filling and sealing joints in concrete pavements and structures, and joints in clay and concrete pipe.

b. SAMPLING PROCEDURE

b.1. If the lot of material to be sampled is from a producer's single run or batch, select one package or container at random and obtain a sample as follows:

b.1.a. Hot Type Joint Sealing Compound: Using a knife with a broad stiff blade, heated if necessary, remove a 4.5 kg (10 lb) sample from the package. Cut a complete vertical section from the material block as illustrated in Fig. 4 of ASTM D 5167.

b.1.b. Plastic Joint Compound for Filling and Sealing Joints in Pipe: Using a paddle, mix the material until homogeneous. Then transfer a representative amount to fill 1 gal (4 L) can with a friction type lid.

b.1.c. Cold Applied Chemically Cured Joint Sealant: The material is to be sampled from the dispensing nozzle in the same manner as it is being pumped into a joint. Completely fill two 1 qt (1 L) cans having friction type lids. If the sample fails, resample if possible.

b.2. If the lot of material to be sampled is not from a producer's single run or batch, or if a single sample representing the lot has failed, select at random a number of packages equivalent to the cube root of the total number of packages in the lot. Remove not less than 1/4 lb (115 g) of material from each package or container. When practical, take the 1/4 lb (115 g) of material from a point at least 75 mm (3 in) from the top and 3 in (75 mm) from the side of the package. For hot type compound, combine into a single sample weighing not less than 10 lb (4.5 kg). For cold type or plastic joint compounds, combine into a single sample of approximately 1 gal (4 L).

c. PREPARATION OF SHIPMENT

Place each sample in a can for shipment to the laboratory.