



Quality Control Kit

Hacker Industries, Inc. supplies a "Quality Control Kit" to Contractors and Developers who are using a Hacker Floor Underlayment in their construction project. This test kit provides these individuals with the equipment and instruction necessary to complete a Patty Test. Since it is extremely important to use the proper amount of water when any gypsum concrete is mixed during installation at the jobsite, this test is used to measure the gypsum to water ratio of the floor underlayment.

The Quality Control Kit consists of a Plexiglas surface, a one-quart container, a stir stick, a ruler and an instruction folder for patty and cubes. The Patty Test is done by pouring a sample of the mixed Hacker Floor Underlayment from the end of the installation hose into the cup. After the sample is gently stirred, it is poured into a cylinder that is held on a level Plexiglas surface. Without hesitation, the cylinder is removed, allowing the Hacker Floor Underlayment mix to flow out the bottom, forming a round patty on the Plexiglas. The resulting patty size, once measured with a ruler, shows if the product is mixed according to product specifications.

Patty Tests are also completed by the Hacker Licensed Applicator installing the underlayment, not only prior to the installation, but also several times during the day to assure consistency and quality control. The message Hacker Industries wants to send to the building community is that their commitment to quality is as strong as the floors their products create.



Patty Size Test Procedure

It is extremely important that the proper gypsum/water ratio is used. Excess water can make the material easier to finish, but will adversely effect strength and cause dusting. To obtain the proper gypsum/water ratio during pours, patty size testing must be done routinely.

SUPPLIES

1. A plastic, brass, or stainless steel cylinder, 4 in height and with a 2 in inside width
2. A 12 in square piece of Plexiglas
3. A one-quart container
4. A stir stick
5. Ruler

PROCEDURE

1. Place the Plexiglas on a level surface and place the cylinder in the center.
2. Adjust the mix by varying water amounts at the mixer until the finisher can just pull the rake through the mix without leaving ruts. This is the proper consistency to pour Hacker Floor Underlayments.
3. Pour a sample of Hacker Floor Underlayment from the end of the hose into the container.
4. Gently stir the Hacker Floor Underlayment sample and then carefully fill the cylinder, being careful to not spill any onto the Plexiglas.
5. Without hesitation, slowly lift the cylinder straight upwards allowing the Hacker Floor Underlayment mix to flow out the bottom forming a round patty.
6. Measure the size of the patty with a ruler or tape measure. The patty size should be as specified in Hacker Industries, Inc.'s most current product literature for the type of underlayment being installed.
7. After proper patty size is established, check frequently that the crew is pouring the Hacker Floor Underlayment at the proper consistency. Patty size testing should always be done on a regular basis. It is always necessary at the start of each day's pour and several additional times each day to assure consistency and quality control.
8. Always take patty size test when taking test cubes.