

K A U F M A N

PRODUCT
INFORMATION

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TYCRON INSTRUCTIONS

The application of Tycron to concrete should be guided by ACI 302, Recommended Practice for Concrete Floor & Slab Construction, for information on the concrete and floor in general.

Concrete

Concrete should be designed to carry the load intended and should be placed with a 4-inch maximum slump. Air content should not exceed 3%. Water reducing admixtures help the concrete and set retarding admixtures used in warm weather considerably aid the application since it allows the applicators more time to properly apply Tycron. During hot weather be guided by ACI 305, Recommended Practice for Hot Weather Concreting.

During cooler weather, be guided by ACI 306 Recommended Practice For Cold Weather Concreting. Do not add calcium chloride or admixtures containing such to concrete to receive Tycron containing metallic aggregates or pigmented Tycron.

Application

1. Place concrete according to ACI 302 recommendations. Strike off concrete level with a true, wooden strike-off bar and follow with a wooden bull float or darby. Complete the operation before any bleeding rises to the surface.
2. If bleed water does rise to the surface, remove prior to further floating or application. Float the concrete as soon as the concrete will bear the weight of a finisher and a light trowel machine equipped with float blades. Areas next to forms, columns, etc. should be wood-floated by hand first because they will stiffen earlier than the full areas. On slabs where Tycron Met 200 is applied at a rate in excess of 2.2 lbs. per sq. ft., it may be necessary to omit the first floating of the slab.

3. The shake is applied in two applications. Two-thirds of the required amount of Tycron should be applied and floated. The remaining one-third is then applied and floated. As an aid in determining the correct application rate, the following suggestion is recommended. Before the pour, lay the bags of Tycron necessary for each bay in two separate piles. One pile should contain two-thirds of the material necessary for that bay, and the other pile, the remainder. This method allows the installer to visually check the correct coverage for each application to each area.
 - A. Apply each shake by hand, allowing the product to sift through the gloved fingers while moving the hand to obtain a uniformly thick application. Do not throw or broadcast with shovel.
 - B. Apply Tycron first to areas next to forms, columns, etc., as these areas dry quickly.
 - C. Immediately after the first floating of the overall area, apply the first shake of Tycron.

Using wooden floats or power machine, float the surface after Tycron has absorbed moisture from the slab beneath it (indicated by darkening of Tycron). Float sufficiently to thoroughly incorporate the shake into the surface. Time the floating operations so that it isn't necessary to sprinkle water on the slab.

5. Apply the second application and float again after it has absorbed moisture from the slab. Float using a float blade or disc float and bring up moisture. Further floating may be done if time/setting characteristics of the concrete permit.
6. After the surface stiffens further and loses some of its sheen, it should be troweled by hand or with a power trowel. Keep blades as flat as possible without digging in. Never raise the blades at an angle that produces chatter marks or blisters. As surface tightens further, continue troweling with machine or by hand. If white or light colored Tycron is used, a stainless steel trowel must be used for troweling.

7. If an extra burnish troweling is desired, proceed. However, this should not be done to colored, white, or Lt. Reflective Tycron.

Curing

As soon as the surface will not be marred by the application, apply proper curing compound. Use Krystal 25 for Natural, Colorcoat for Colored, and Thinfilm 450 for White and Light Reflective Tycron. Special Note On White, Light Reflective Tycrons Do not allow the floor slab to become stained by tracking mud, concrete or other substances on the surface during or after installation. Workmen

must wear clean boots and work off of clean kneeboards. Equipment used in installation should be clean of oil and gas from power finishing equipment and must not be allowed to come into contact with the floor slab. Never use curing compound based on yellow resins. Burnish troweling will darken the color of Tycron. For additional information, contact your Kaufman Products, Inc. representative.

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