

Technical Bulletin #55 Key Epoxy Terrazzo Flatness Tolerance

Flatness is dependent on the type of terrazzo that is being placed and the flatness of the substrate. For the thinner systems such as Key Epoxy Terrazzo, the substrate will greatly influence the flatness of the terrazzo. In some cases, it will be necessary to perform either grinding or filling of the slab to achieve a flatness of ¼ inch in ten linear feet before the application of the terrazzo.

Flatness of terrazzo is measured using the method as outlined in ACI 117-10. A ten-foot straightedge is placed on the floor parallel, perpendicular and at a 45-degree angle to the joints. Typically, ten samples shall be taken for each 1000 square feet. No sample readings should have a gap of 3/8 inch and 90% of all reading should be ¼ inch or less. This factor is not cumulative.

While terrazzo should meet the above for flatness, terrazzo does not have to be level.

Note: All evaluations are to be made looking straight down from a standing position without extraordinary magnification.

Terrazzo is an in situ created product by human craftsmanship and the installer must endeavor to meet the standards for the entire project. However, the terrazzo should not be arbitrarily rejected for relatively minor non-compliance. This is especially true if the overall functional and aesthetic values were satisfied.

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