

KEY RESIN COMPANY TECHNICAL BULLETIN



Technical Bulletin #43 Considerations for Lightweight Concrete

Lightweight concrete is typically comprised of aggregates such as expanded shale which can absorb and retain moisture for an extended timeframe. This can result in excess moisture content in the concrete for a number of months after the original pour, causing delays in application of a resin flooring or epoxy terrazzo system. Key Resin highly recommends that architects/specifiers include Key Epocon SL moisture mitigation system in their project specifications with the expectation that moisture levels will very likely exceed maximum allowable moisture content. The only moisture test recognized by Key Resin and most of the flooring industry for lightweight concrete is the Relative Humidity in Situ Probe Test Method, ASTM F-2170-11. The Calcium Chloride Test Method ASTM F-1869-11 is not considered by ASTM to be acceptable for lightweight concrete.

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