



Synthetic10-TR™

Revolutionary trowel applied vapor control treatment for newly poured concrete.

Synthetic10-TR is a two-component water based additive to reduce vapor emission levels in freshly poured concrete floors. The special chemical components, water and fine epoxy resins mix easily with fresh concrete paste or may mechanically troweled to the concrete surface as a curing replacement. Each application improves the products penetration and surface density. Application replaces traditional curing, sealing and water curing methods.

Synthetic10-TR will maintain the concretes natural appearance and may be sealed, coated and covered with a wide range of floor primers, coatings and overlays.

ADVANTAGES & BENEFITS

- Replaces curing and sealing compounds
- Product may achieve penetration depths of up to 1/4"
- Restricts water vapor emission levels of new concrete for flooring products
- Assists in maintain compliant alkalinity/pH levels

GREEN ATTRIBUTES

- Zero Hazardous Air Pollutants (HAP's)
- EPA Method 24 VOC Content of less than 99 g/liter
- Reduces Indoor Air Pollution, contains no Formaldehyde, Formaldehyde Precursors and/or Carcinogens

INDOOR AIR QUALITY CONTRIBUTIONS

The product contributes to LEED Green Building Rating System, developed by the U.S. Green Building Council (USGBC). The product reduces the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants under EQ Credit 4.2: Low-Emitting Materials: Paints & Coatings.

NEW CONCRETE RECOMMENDATIONS

Synthetics International recommends specific design components to compliment the Synthetic10-TR's use. Please consult our technical department prior to use.

LIMITATIONS

Monitor weather conditions prior to application. Do not apply when rain, dew point or temperatures of less than 40 degrees are expected during concrete placement and 12 hours after product application. Do not use any other curing compounds, sealers, plastic sheeting or chemicals after the application of Synthetic10-TR. Do not apply when humidity levels are 50%RH and rising since this may inhibit the curing process. Standard machine troweling is recommended for proper application, never over finish or burnish the concrete surface.

MIXING

Read all technical, mixing and safety data prior to use. Product is mixed 1A:1B in full units only. Partial mixing is not recommended. Mix only enough product that can be used within 60 minutes.

PRODUCT APPLICATION

- Consult Synthetics International technical department for review
- Pour and place concrete
- Properly remove all concrete bleed water
- Proceed with the initial mechanical trowel process
- During the 2nd mechanical trowel process, spray apply the Synthetic10-TR using an electric or approved hand held pump sprayer
- Apply Synthetic10-TR at a rate of 350 to 450 sft per gallon when surface paste is dry or damp (not wet) to form an even WHITE layer
- Slowly trowel the product into the concrete surface
- Avoid over finishing or burnishing concrete with equipment
- Synthetic10-TR replaces all curing and sealing products

MOISTURE TESTING

Perform water vapor emission and digital alkalinity-pH meter tests directly on the Synthetic10-TR surface when building has been acclimated. Use a clean towel to remove dust and debris. Do not grind or sand the surface. Forward results for review.

PREPARATION FOR FLOOR COVERINGS

Remove all paint, dry wall debris and foot prints before installing floor coverings using a 3M cleaning pad. Do not grind the surface.

LIMITED WARRANTY

Synthetics International warrants its products for the lifetime of the originally installed flooring system or fifteen (15) years for concrete moisture vapor emission, alkalinity and relative humidity reduction as shown in printed literature. Installation instructions must be strictly followed. If product fails due to moisture vapor emission, alkalinity and relative humidity within said period, Synthetics International shall provide the labor and materials to replace the failed and/or defective Synthetics International product and/or damaged flooring system with the same or a comparable product(s) at manufactures discretion. The sole and exclusive remedy due to a breach of this warranty shall be expressly limited to the repair of the defective areas due to the failure of Synthetics International products, and shall expressly exclude consequential damages including, but not limited to damages to the structure or to the contents of the structure. See official warranty certificate for all details.



Synthetics Intl.
Concrete Moisture Specialists

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