



Technical Data Sheet

Tru-Hybrid™

Multimix Concrete Overlay

Description

TruHybrid™ Multi- Mix is a high strength blend of graded quartz, white Portland cement, dispersible polymers, & performance additives.

Advantages

- Contains smaller blended aggregate for stronger, denser, smoother finishes.
- Can be troweled ultra-smooth or textured very easily.
- Applied with a trowel, squeegee, hopper gun, and/or gauge rake.
- Contains special additives to assist with troweling for enhanced work ability.

Typical Uses

Designed to be used as a skim coat, slate finish, broom texture, trowel knockdown, stamped overlay, spray textures, and for thin patching. It forms a secure bond to concrete and masonry surfaces. May be used horizontally, vertically, and overhead with proper preparation prior to installation. Suitable for interior & exterior applications. May be applied from a feathered edge to 1" thick in one coat.

Restrictions

- Be sure to apply over a primed surface (nanobond / epoxy with sand broadcast)
- Keep bags dry and in a climate controlled storage.
- Do not add excess amounts of water.

Surface Prep

Concrete surface must be cleaned. BLASTRAC, sand blasting, diamond grinder w/30 grit or coarse, or water blasting is highly recommended to remove surface contaminants. Any oils and fats must be removed prior to product. Pressure washing is performed outdoors to open the pores of the concrete to accept a primer. Do not apply to wet substrates (standing water). Chloride, moisture, and pH levels should be checked prior to application. In almost every application a primer is recommended prior to use.

Mixing

Add 4.75 to 5.5 quarts (depending on application) of cool, clean, potable water to a clean 5 gallon mixing bucket for all applications. If integral color is to be added, do so now Mix the color pigments completely in the water before adding the drymix. Add 1/3 of a full bag of TruHybrid™ multi-mix to your pail and mix for 2-3 minutes. When the mixture is creamy and free of lumps and clumps, add the remaining amount of TruHybrid™ and mix for about 5 minutes until a lump free uniform color mixture is achieved

Application

Tru-Hybrid™ can be applied with a steel trowel, magic trowel, brush or gauge rake depending on the application. Please refer to our system application guide for more details

Cleaning

Clean with soap and water to remove any residue from tools or any unwanted areas. Cured product may need to be mechanically removed. Clean hands/body with hot soapy water.

Health and Safety

In case of skin contact, wash with water and soap. In case of eye contact, immediately rinse with water for at least 15 minutes. Consult with a doctor. For respiratory problems, transport victim to fresh air. Remove contaminated clothes and clean before reuse. Components A and B contain toxic ingredients. Prolonged contact of this product with the skin is susceptible to provoke an irritation. Avoid eye contact. Contact with may cause serious burns. Avoid breathing vapors release from this product. This product is a strong sensitizer. Wear safety glasses, chemical resistant gloves and a filtered breathing apparatus while handling this material.

Technical Data		
Appearance		White Powder
Packaging		50 lb bag
Compressive Strength	ASTM C109	1 day - 1500 psi 7 days - 3800 psi 28 days - 4800 psi
Tensile Strength	ASTM C190	7 days - 315 psi 28 days - 700 psi
Flexural Strength	ASTM C348	7 days - 950 psi 28 days - 1400 psi
Density		7 days - 1.17g/cm ³ 28 days - 1.85 g/cm ³
Abrasion Resistance	ASTM D-4060	28 days - 15% loss
Shear Bond		7 days - 350 psi 28 days - 585 psi
Cohesive		7 days - 54 psi 28 days - 99 psi

Skim Coat - Lightly mist the surface with clean, potable water. Pour a ribbon of TruHybrid™ on the wet surface and use a magic trowel or steel trowel to spread the material over the entire surface maintaining a wet edge until finished.

Spray Texture - Apply TruHybrid™ to dry surface with a hopper gun and air compressor set between 20-45 psi. Test the spray on a surface before spraying. Insure that the area is well masked off before spraying.

Broom Finish - Apply a skim coat (see above). Then apply another skim coat and immediately pull a concrete broom across the wet surface. If you want grout lines, then tape them over the first skim coat after it has dried and then apply another skim coat to broom finish.

Slate Trowel Finish - Apply a skim coat (see above). Apply tape for grout lines, if desired, when the first skim coat is dry enough to accept tape. Apply a "Lockdown" skim coat to hold the tape in place as required. Apply the final skim coat, then work the material with a steel trowel using a figure 8 motion to create a slate like texture. After a few minutes to allow the material to set up, you may knock down the texture by re-troweling the surface closing off the high ridges producing a burnished effect.

Stamped Overlay - Apply directly over dry Nano Bond™. Apply at desired thickness using a gauge rake. Use a magic trowel to smooth cam lines.