



Technical Data Sheet

Slick Mix™

Self-Leveling Concrete Overlay

Description

Slick Mix™ is a specially formulated polish-able high performance architectural self-leveling overlay topping mix. It is a unique blend of graded quartz, cement, high performance polymers and additives

Advantages

- Long working and healing time.
- Rapid cure
- May be polished
- May be applied from 1/8" to several inches thick.
- Suitable for wet and dry conditions
- Extreme bonding
- Superior strength

Typical Uses

Slick Mix™ self-leveling overlay is used to create a new flat surface over pitted and uneven concrete surfaces. It is also used as an underlayment for a variety of flooring over concrete, wood and tile substrates. This mix exhibits extreme bonding capabilities and produces a surface 2x stronger than ordinary concrete and is ready for foot traffic 2 hours. This mix is suitable for coatings or polishing in 12 hours

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.

Mixing

Add 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 Slick 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 and mix for about 5 minutes until a lump free uniform color mixture is achieved

Application

See below for installation 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
Working Time		20 minutes @70
Heal Time		20 minutes @70
Coverage	50 lb bag	25 sq ft @¼"
Compressive Strength	ASTM C109	1 day - 3490 psi 7 days - 5005 psi 28 days - 6950 psi
Tensile Strength	ASTM C190	7 days - 235 psi 28 days - 390 psi
Flexural Strength	ASTM C348	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 - 2150 psi 28 days - 2800 psi
Cohesive		7 days - 54 psi 28 days - 99 psi

Application

- Be sure to close all doors/windows and turn off any fans
- You may move the mixed bucket of Slick Mix™ by using a dolly or carry by hand to the application site.
- Map out the room to make sure you don't work yourself into a corner. You always want to work from along the furthest wall and move out of a room.
- Everyone involved in the application should be in spike shoes.
- Pour a ribbon of Slick Mix™ along the wall and use a gauge rake to spread material at the correct thickness desired.
- Gently rest a smoothing trowel with light pressure over the gauged Slick Mix™ and make one pass from wall to wall working your way out of the room. This helps release entrapped air from the surface tension and helps with the leveling process.
- Use a 1.25" superfine metal spiked roller over the entire area to blend out any unwanted water marks left by the gauge rake and smoothing trowel to give a more uniform floor finish.
- When you are pouring the next batch of Slick Mix™ be sure to pour a ribbon into the existing batch that's been applied onto the floor and do the same steps over.
- Be sure to clean all tools during and

Finishes: Polishing / Staining / Sealing Slick Mix™ polishable self leveling concrete overlay.

- **Polishing:** May be Polished within 24 hours using standard polishing techniques. Be aware you must use a 40-60 grit metal diamond wheel to cut the floor to remove the laitance and polymer along the top surface.
- **Staining:** Be sure to sand floor using a 120 grit to remove any laitance from surface and open the pores of the Slick Mix™. You may use either Tru-Acid Stain™ or Infused™ Acrylic Water Based Stain. Infused™ will give you more freedom and allows you to apply more pure colors to desired finish. Tru-Acid Stain™ will give you more of a natural earth tone finish and does not need to be neutralized (wipe down only).
- **Sealing:** There are many different ways to seal the floor using our acrylics and resins. We suggest using clear Infused™ Water Based Acrylic Stain to encapsulate and protect the color you choose from darkening or shading before putting any resin based material on top.

Disclaimer: The info herein is general to assist our customers in determining whether TruCrete Surfacing Systems® products are suitable for their specific applications. TruCrete Surfacing Systems® products are intended for sale to trained installers. We recommend that customers inspect and test our products before use to satisfy themselves as to the content and suitability for the applications they intend to use TruCrete Surfacing Systems® products for. Nothing herein shall constitute any warranty expressed or implied, including any warranty of merchantability or fitness for a particular purpose, nor is any protection from any law or patent to be inferred. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for incidental or consequential damages.