

ULTRA SURFACE SQUEEGEE/BOND COAT

DESCRIPTION

The Ultra Surface Polymer Concrete Squeegee/Bond Coat is applied less than 1/16th of an inch thick over an existing surface using a special metal edge squeegee (available from Concrete Solutions). It is used to resurface and smooth out concrete and other surfaces in need of repair. It can be used in one or more coats to provide a smooth finish, or to hide crack repairs and patching prior to applying an Ultra Surface Polymer Concrete texture coat or 1/4" Stamping application. It is also used as a wet bond coat ahead of the 1/4" Stamping mix and large patching applications. The Squeegee/Bond Coat is made with the richest formula of Ultra Surface Concrete Polymer and provides a tenacious bond to most substrates. Follow the mixing formulas below to make your own mix or use Ultra Surface Resurfacer available in pre-mixed 50 lb. Bags.



Apply a Squeegee/Bond Coat using a 24" Metal Squeegee.

SQUEEGEE/BOND COAT MIXING FORMULA [By Volume]

[Coverage Rate = Approximately 250 sq. ft. per mix]

In a five gallon pail mix:

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|----------|----------------|---|
| 1 | Gallon | Ultra Surface Concrete Polymer |
| 1 | Gallon | Water |
| 2 | Gallons | Cement [Portland type I/II - regular or white] |
| 2 | Gallons | Silica Sand [#60 or 90] |

Note: For most applications two gallons of sand will be all that is needed. Up to four gallons of sand can be added, if necessary, when going over semi-rough surfaces. For larger jobs a mortar mixer can be used to make the above mix five times larger.

RESURFACER BAG MIX FORMULA

In a five gallon pail mix: **1 gallon of Ultra Surface Concrete Polymer, 1 gallon of Water and 1 fifty pound bag of Resurfacer.** Add up to 1/2 gallon more of pre-mixed Polymer and Water at a 1 to 1 ratio to adjust the consistency.

APPLICATION INSTRUCTIONS

Surface Preparation

Clean the surface by power scrubbing with detergent to remove oil, grease, dirt or any other contaminants that may interfere with bonding. Next, pressure wash the surface at close range using a 3000 psi pressure washer to clean and rinse. Acid washing is also recommended. See step-by-step instructions with pictures on how to acid wash in the Surface Preparation section of the Ultra Surface Products Manual. Shotblasting is another popular method for preparing the surface, especially for indoor jobs.

Crack Repair

After cleaning the surface, fix any cracks in need of repair using the Ultra Surface Crack Repair System. See step-by-step instructions with pictures on how to fix cracks in the Crack Repair Section of the Ultra Surface Products Manual.

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Patching, Leveling and Repitching

Before applying the Ultra Surface Squeegee/Bond Coat, any holes or deteriorated areas of the surface deeper than 1/16th of an inch, should be patched smooth using an Ultra Surface Polymer Concrete Patching Mix. Feather the edges of any patches to zero and allow to dry. When dry, use a right angle grinder with a flat, 7" Carborundum grinding wheel attachment or sandpaper to grind the patches smooth, if needed. The polymer concrete patching mix can also be used to fill in low spots, level an uneven surface or re-pitch areas with improper drainage. See the Ultra Surface Products Manual under Patching / Leveling for step-by-step pictures and detailed mixing and application instructions.

Spreading the Squeegee/Bond Coat or Resurfacer Mix

1. Spray the surface to be coated with a light fog of water in 100-200 sq. ft. sections at a time. Be careful not to spray too much water.
2. Pour a row of the Squeegee/Bond Coat or Resurfacer material along the starting edge over the water dampened surface.
3. Spread the material as thin as possible (less than 1/16") next to the starting edge using a 24" metal edge squeegee (available from Concrete Solutions). Squeegee the material from side to side in straight rows to cover the surface and achieve as smooth of a finish as possible. Press firmly on the squeegee and overlap each pass half way as you make the next pass and so on.
4. Continue to lightly spray water ahead of the Squeegee/Bond Coat material and continue squeegeeing until you reach the finish edge.

Applying a Squeegee/Bond Coat to Achieve a Smooth Finish

To achieve a smooth finish with the Squeegee/Bond Coat it may be necessary to apply two or more coats. For the first coat use #60 or 90 silica sand in the mix. For the second coat use #90 and/or 120 silica sand or apply Ultra Surface Spray-Top as the second coat to achieve the smoothest finish possible. Spray-Top creates a nice smooth finish for indoor jobs and acid staining applications (see the Spray-Top Technical Data Sheet in the Ultra Surface Products Manual. Before applying a second Squeegee Coat or Spray-Top, grind or sand any ridges or squeegee marks in the first coat smooth.

How to Treat Existing Expansion or Control Joints - All expansion and control joints can be filled in during the Squeegee Coat application but must be cleaned out using a scraper or trowel before the material in the joints gets too hard. Wait until the surface is dry enough to walk on, and the thicker material in the joints is soft but not wet, so it can be removed without messing up the finished surface. See picture below.



Fog the surface with water where you wish to begin spreading the Squeegee Coat Mix.



Spread the mix from side to side, in straight rows using a special metal edge squeegee.



Scrape out any material that got in the joints using a trowel or scraper before it dries.

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Applying a Texture Coat

If applying an Ultra Surface Polymer Concrete Texture Coat for the final finish, such as a Fine Broom, Swirl or Trowel Knockdown Finish; only one Squeegee Coat should be needed, in most cases, to smooth out the surface and hide any repairs. For these applications allow the Squeegee Coat to dry before proceeding with the Texture Coat application. See the Polymer Concrete Texture Coat section of the Ultra Surface Products Manual for more detailed instructions.

Applying a 1/4" Stamping Application

For 1/4" Stamping applications it is necessary to go over the Squeegee Coat with the 1/4" Stamping Mix while the Squeegee Coat material is still very wet. See the 1/4" Stamping section of the Products Manual for step-by-step instructions.

Clean up - Clean tools, mixing equipment and hands with water before the Squeegee Coat material dries. Scrape the sides of the area being resurfaced using a scraper or margin trowel to remove any drips. If desired, the sides that will be seen can be painted with the squeegee coat mix using a paintbrush for a more finished look.

Drying Time - In warmer temperatures the Squeegee Coat mix is usually dry in 30 minutes to 1 hour. In cooler temperatures it may take 4 hours or more.

Warranty and Liability - It is the applicators responsibility to make his or her own assessment to determine the products suitability for a particular purpose. Our liability is limited to the purchase price of any product proven to be defective. No other warranties are made concerning the product, whether expressed or implied, or statutory, such as warranties of merchantability of fitness for a particular purpose. In no way is Concrete Solutions or any of its agents liable for any consequential or incidental damages.



Option: Apply a Texture Coat after the first Squeegee Coat dries.



Scrape or brush the vertical edges where the material drips over the sides.