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SHIMICOAT
SURFACE SOLUTIONS



Epoxy Mortar Screeding

An Installation Guide

Following is a step by step guide to repair crack and fix damaged concrete surface using Shimicoat Products and Materials.

Products and Materials

1. Epoxy Crack Repair Kit containing Super Ceramic and Clear Epoxy 100% Solid.
2. Or: Super Ceramic and Premium Tinted Epoxy (3A:1B), if you desire specific colour finish
3. EpoThin or Xylene

Required Tools:

1. Electric Mixer
2. Sponge
3. 20Lt Bucket
4. Spatula and Trowel
5. Gloves and other personal protective equipment PPE



Installation:

Surface Preparations:

1. Prepare the floor by concrete grinding and removal of surface materials. Ensure the surface is perfectly clean and free of oil and grease. If grinder is unavailable, acid wash and make sure you wash, rinse and flush with detergent to neutralize the surface and remove all acid residue. Wait till fully dry prior to commencing any coating application.
2. Ensure the corners are being sharply scraped and scratched using edge grinder. All surfaces under coving need to be surface prepared prior to any application.
3. Vacuum and/or blow out to remove dust from the surface.
4. Commence preparation of Epoxy Mortar and screeding application.



MATERIALS



CHEMICALS



RESINS



EQUIPMENT

Application of Epoxy Crack Repair Mortar:

1. Mix 1.5Lt of Clear Epoxy 100% solid by adding 0.5Lt of Hardener (Part B) in 1.0Lt of Epoxy Resin 2A:1B, slowly add Super Ceramic, twice as much as quantity of Epoxy Resin (200%) by volume, in this case 3Lt of Super Ceramic into the resin and blend well. Ideal consistency is an easy flowable slurry, however you can increase Super Ceramic to achieve mash potato or paste consistency.
2. Super Ceramic shall be added to Premixed (Part A and Part B) Ultra Clear Epoxy, twice as much as resin quantity (200% by volume). Extra Super Ceramic can be added for special applications requiring thicker paste consistency.
3. Continue mixing until uniform Epoxy Mortar blend is achieved.
4. The Epoxy Mortar is ready for application.
5. Using spatula, scoop, trowel or similar tool, place epoxy mortar on the corner over the surface.
6. Using the trowel screed and guide the epoxy mortar into the cracks and damaged surfaces, spread evenly.
7. Using a sponge wetted with Xylene, wipe off and clean up the surface.
8. Pay particular attention to ensure smooth finish before it cures.



Remember, you can use same product, same procedure for filling

hairline cracks, small gaps or large surface cuts on floor. You can also use dry sand instead of Super Ceramic for certain applications as sand is generally a more economical option but the surface will never be as smooth finish as Super Ceramic Epoxy blend. You may like to choose Sand Epoxy Mortar for major holes and cracks and Super Ceramic Epoxy blend for top layer.

End of Procedure.



DISCLAIMER

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

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