



TECHNICAL DATA SHEET

PRODUCT NAME: FC Resurfacer Fine

DESCRIPTION: FC RESURFACER FINE is a just add water, fast curing, polymer modified, high strength, patching material and non-shrink grout used for repairing holes and spalled concrete areas. It is made with hydraulic cement, specially graded fine aggregates, and special polymers to create a high-quality material that is ideal where rapid strength gain and high durability are desired. FC RESURFACER FINE can be applied from 0-1/4" thick or up to 1" thick or more for smaller areas or holes and feathered to zero. FC RESURFACER FINE sets in 15-30 minutes and achieves structural strength in 1 hour.

TYPICAL USES: FC Resurfacer Fine is used on residential and commercial jobs to repair spalled concrete back to a like new condition. It is typically used on driveways, walkways, patios, pool decks, warehouses, retail outlets, and basement floors in preparation for applying Roll-Top Cement, SprayCoat Cement, TerraStone, Sandcoat, and other applications. It can be spread using a hand trowel, Magic Trowel, 24" Metal Edge Curved Tape Knife Squeegee, or screed rod and ground smooth when needed within 1 hour after application.

MIXING INSTRUCTIONS:

Horizontal Applications

Step 1: Add 3 quarts of water in a 5 gallon mixing pail.

Step 2: Optional: If more working time up to 30 minutes is desired, add ½ oz of FC Powder Retarder to the water and stir. **DO NOT USE THE GREEN LIQUID RETARDER WITH FC PATCHING OR RESURFACING MIXES.**

Step 3: Slowly add the 24 lb. bag of FC Resurfacer Fine to the mixing bucket while mixing.

Step 4: Mix a couple of minutes with a heavy-duty drill and 5 gallon size mixing paddle until lump free.

Step 5: Add 1 oz of FC Flow per 24 lb. bag and drill again to make the mix wetter. **Do not add FC Flow to the water.** Always add it after mixing in the FC Resurfacer Fine. Add up to 8 oz. more of water if an even wetter mix is desired.

Step 6: Immediately dump the mix out of the bucket and spread over a damp surface (no puddles) to achieve the finish desired.

Small Batch Mixing Instructions – Mix 3 parts of FC Resurfacer Fine to 1 part water to achieve the consistency desired. Add a 1/4 tsp of FC Flow if needed to adjust the consistency.

Vertical Mixing Instructions - For vertical applications such as steps and walls, mix the 24 lb. bag of FC Resurfacer Fine with 2 – 2 ½ quarts of water to start with. Add up to 8-16 oz. more water if needed. For smaller batches mix 3 parts or more of FC Resurfacer Fine to 1 part water to achieve the consistency desired. **Do not add FC Flow for vertical applications.**

PHYSICAL PROPERTIES

Set Time - ASTM C191 Mod.

Initial set 15 minutes

Final set 35 minutes

Compressive Strength - ASTM C109 Mod.

1 hour* 2000 psi (20.7 MPa)

3 hours 4000 psi (34.5 MPa)

24 hours 5000 psi (41.4 MPa)

7 days 6000 psi (48.3 MPa)

28 days 8000 psi (62.1 MPa)

Slant Shear Bond - ASTM C882 per C928

24 hours 1200 psi (10.3 MPa)

7 days 1700 psi (13.8 MPa)

28 days 2200 psi (17.2 MPa)

Flexural Strength - ASTM C78

400 psi (4.14 MPa) 7 days

600 psi (5.51 MPa) 28 days

Splitting Tensile - ASTM C496

7 days 500 psi (4.82 MPa)

28 days 700 psi (6.06 MPa)



TECHNICAL DATA SHEET

PRODUCT NAME: FC Resurfacer Fine

For longer working times up to 30 minutes, add ¼-½ oz of FC Powder Retarder to the mix water before mixing in the FC Resurfacer Fine. FC Resurfacer Fine will be thicker, fluffier, and easier to shape and form on vertical surfaces without FC Flow added. **Note:** Adding FC Powder Retarder will slow down the cure time of FC Resurfacer Fine. It may take 1 hour or more to set instead of 15-30 minutes.

SURFACE PREP AND APPLICATION INSTRUCTIONS:

Step 1: Check for hollow spots and remove any loose or hollow areas using a hammer, scabbler, or scarifier machine. The surface should be solid and sound before patching with FC Resurfacer Fine.

Step 2: Clean the area to be repaired using a 4000 psi or higher pressure washer at close range using a turbo or 15 degree tip. Remove any loose or weak areas of the concrete surface. Scrub with detergent such as Simple Green or TruCitra Clean and rinse clean to remove any oil or other contaminants.

Step 3: Repair any cracks in the areas to be patched using Moisture Vapor Primer mixed with Crack Filler Powder. This will help prevent the FC Resurfacer Fine from cracking or delaminating due to crack movement. If patching over joints always cut them back open to allow the joints to move without the patching mix touching in between.

Step 4: Mist the surface with water a section at a time with no puddles. Mix and apply the FC Resurfacer Fine over the slightly dampened surface using a hand trowel, magic trowel, or 24" curved tape knife metal edge squeegee forcing a thin scratch coat into the pores one small section at a time. Spread more FC Resurfacer Fine over the scratch coat while still wet to level the surface and finish as smooth as possible.

Step 5: Allow the FC Resurfacer Fine to cure for 1 hour minimum before grinding smooth if needed.

Step 6: Once you achieve the smooth finish desired the surface is ready for Roll-Top Cement, SprayCoat Cement, TerraStone, Sandcoat, or any other application.

CLEAN UP

Water

SAFETY

Read safety data sheets prior to use.

WARRANTY / DISCLAIMER

StoneCrete Systems warrants their products to be of the highest quality and free from defects. Our only warranty with respect to the products we sell, and our sole obligation, is to replace, or give credit for any of our products that prove to be defective. Any claim under this warranty must be made no later than one year from the date of purchase. StoneCrete Systems makes no other warranties expressed or implied, or statutory such as warranties of merchantability or fitness for a particular purpose. In no event shall StoneCrete Systems be liable for consequential or incidental damages.

The product buyer assumes all responsibility or risk whatsoever as to the result of the use of the products purchased from StoneCrete Systems, whether used singly or in combination with other products or substances. Our warranty excludes problems that may occur following product application due to moisture in a substrate, cracking or problems associated with the substrate on which the product or products are applied, or customer abuse. It is the responsibility of each product buyer to determine the suitability of each product for his or her particular purpose.