



TECHNICAL DATA SHEET

PRODUCT NAME: FC Patch Fine

DESCRIPTION: FC PATCH Fine is a Just add water, fast curing, polymer modified, high strength, patching material used for repairing minor holes, pitted or spalled concrete, and other surface imperfections. It is made with hydraulic cement, fine aggregates, and special polymers to create a mix that is ideal where rapid strength gain and high durability are desired. FC Patch Fine can be applied from 0-1/4" thick and feathered to zero. For deeper repairs 1/4-1" use FC Patch Deep.

TYPICAL USES: FC Patch Fine is used to repair residential and commercial jobs such as driveways, walkways, patios, pool decks, warehouses, retail outlets, and basement floors in preparation for applying Roll-Top Cement, SprayCoat Cement, TerraStone, SandKoat, and other applications. It can be spread using a putty knife, tape knife, or hand trowel. It is also used to patch over crack repairs after filling the cracks with Moisture Vapor Primer and Crack Filler Powder. FC Patch Fine helps to fill in any voids to prevent the cracks from showing through when doing a thin coating application.

Mixing Instructions: In a 1 - 5 quart measuring bucket, **mix 3 parts FC Patch Fine with 1 part water** using a mixing drill and one gallon size mixing paddle. Start by mixing a small batch of 3 cups of FC Patch to 1 cup water or less. For a thicker mix, add a little more FC Patch Fine until you achieve the consistency desired. For a longer working time add 1/4-1/2 tsp of **FC Powder Retarder** to the mix. It is best to add the FC Powder Retarder to the water before mixing, but it can also be added after mixing. FC Patch Fine will remain workable for 15-20 minutes without the FC Powder Retarder added, and 30-45 minutes with the FC Powder Retarder added.

Application Instructions: Spread FC Patch Fine using a putty knife, tape knife, or trowel to fill in any rough spots, minor spalls, or holes. Fog a light mist of water over the surface and directly over the FC Patch if needed using a trigger spray bottle to make it easier to spread. Also use FC Patch Fine to smooth out crack repairs done with Moisture Vapor Primer and Crack Filler Powder. After doing crack repair and priming the surface with the Moisture Vapor Primer, FC Patch Fine can be used to fill in any sunken areas or voids so the crack repairs are level and smooth with the surface. Feather the edges of the FC Patch to zero to help hide the cracks from showing through the coating application to follow. Most of the time the repairs can be made smooth enough without requiring sanding. If needed, use a 4 1/2" grinder and 40 grit sanding disk to smooth out any repairs that are too rough. Use **FC Patch Deep** for repairs 1/4" - 1" deep.

Note: For larger repairs or when the entire surface needs to be resurfaced, use FC Resurfacer Fine or Deep. See the FC Resurfacer Fine or Deep Technical Data Sheets for more information.

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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)

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)