



TECHNICAL DATA SHEET

PRODUCT NAME: FC Patch Deep

DESCRIPTION: FC PATCH DEEP is a Just add water, fast curing, polymer modified, high strength, patching material used for repairing holes, or spalled concrete. It is made with hydraulic cement, fine and coarse aggregates, and special polymers to create a mix that is ideal where rapid strength gain and high durability are desired. FC Patch Deep can be applied from 0 - 1" thick and feathered to zero. For minor repairs under 1/4" or when patching over cracks that were filled with Moisture Vapor Primer and Crack Filler Powder, use FC Patch Fine. FC Patch Fine is easier to feather to zero without requiring sanding or grinding to make it smooth.

TYPICAL USES: FC Patch Deep 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, or other coating applications. It can be spread using a putty knife, tape knife, or hand trowel.

Mixing Instructions: In a 1 - 5 quart measuring bucket, **mix 4 parts FC Patch Deep with 1 part water** using a mixing drill and one gallon size mixing paddle. Start by mixing a small batch of 4 cups of FC Patch Deep to 1 cup water or less. For a thicker mix, add a little more FC Patch Deep 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 Retarder to the water before mixing, but it can also be added after mixing. FC Patch Deep 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 Deep using a putty knife, tape knife, or trowel to fill in any rough spots, 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. If needed, use a 4 1/2" grinder and 40 grit sanding disk or grinding wheel to smooth out any repairs that are too rough. Use FC Patch Fine for minor repairs under 1/4" and for patching over crack repairs done with Moisture Vapor Primer and Crack Filler Powder.

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.

WARRANTY / DISCLAIMER

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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* 2500 psi (20.7 MPa)

3 hours 4500 psi (34.5 MPa)

Slant Shear Bond - ASTM C882 per C928

24 hours 1300 psi (10.3 MPa)

7 days 1800 psi (13.8 MPa)

28 days 2300 psi (17.2 MPa)

Flexural Strength - ASTM C78

500 psi (4.14 MPa) 7 days

700 psi (5.51 MPa) 28 days

Splitting Tensile - ASTM C496

7 days 600 psi (4.82 MPa)

28 days 800 psi (6.06 MPa)