

HiCap FT



HiCap FT is a quick setting, cementitious patching and finishing compound that is designed to be shaved and carved to any angle from approximately 1" down to featheredge on vertical, overhead, and even horizontal surfaces. What sets HiCap FT apart is the chemical engineering that is resistant to the effects of freeze-thaw cycling by blocking contaminants such as water and deicing chemicals from entering and destroying the repair mortar. These unique proprietary advancements significantly increase the lifespan of the repair and provide a greater return on investment than the ordinary repair mortars on the market.

ADVANTAGES

- ✓ Easy mixing - Just add water
- ✓ Carvable
- ✓ High Compressive Strength
- ✓ LEED Credits
- ✓ Meets ASTM C-928 (R2)
- ✓ Low In-Place Cost
- ✓ Featheredge up to 1" Deep
- ✓ Resistant to Deicing Chemicals
- ✓ Sag Resistant
- ✓ Produces a Smooth, Durable, and Attractive Finish
- ✓ Creamy Mix Makes Placement Easy
- ✓ May be used with SureBond
- ✓ DOT Approved
- ✓ NTPET Tested

USES

- ✓ Precast Concrete
- ✓ Concrete Pipe
- ✓ Prestressed Bridge Beams
- ✓ Curb & Gutter
- ✓ Honeycombed Concrete Repairs
- ✓ Stairwells
- ✓ Balcony Repairs
- ✓ Interior & Exterior
- ✓ Vertical and Overhead Repairs
- ✓ Broken & Chipped Concrete
- ✓ Bridge Repairs

PACKAGING

- ✓ 50 lb. bags (.45 ft³)
- ✓ 50 lb. pails (.45 ft³)
- ✓ 500 lb. drums (4.5 ft³)

TEST METHODS

TEST RESULTS

Initial Set Time (AASHTO T-131)	20 Minutes
Final Set Time (AASHTO T-131)	34 Minutes
Compressive Strength (ASTM C-109) 3 Hours 1 Day 7 Days 28 Days	2,500 psi. 3,500 psi. 6,500 psi. 7,300 psi.
Flexural Strength (ASTM C-348) 28 Days	930 psi.
Hardened Height Change (ASTM C-109) 1 Day 3 Days 14 Days 28 Days	0% @ 1 Day +0.02% @ 3 Days +0.03% @ 14 Days +0.08% @ 28 Days
Length Change-Dry (ASTM C-157)	-0.08 @ 28 Days
Slant Shear Bond Strength (ASTM C-348) 1 Day 7 Days	1,800 psi. 2,300 psi.
Splitting Tensile Strength (ASTM C-496) 28 Days	450 psi.
Percent Length Change (ASTM C-157) In Air @ 28 days In Water @ 28 Days	-0.07% @ 28 Days +0.04% @ 28 Days
Freeze-Thaw Testing (NYS DOT 502-3P)	0% Mass Loss
Freeze-Thaw Testing (VDOT, VTM 132, Test D)	-4.58% @ 25 Cycles
Rapid Chloride Penetration (VDOT, VTM 132, Test F)	590 coulombs
Surface Resistivity (AASHTO T-358)	15.7 K Ω -cm
Freeze Thaw Resistance (ASTM C-666, Procedure A)	98%
Scaling Resistance (ASTM C-672)	.79 lbs./ft ²