



Finalcrete™

Designed for use in permanent concrete repair and resurfacing, consists of a two part polymer admix system that can be applied using a trowel or sprayer.

DESCRIPTION

Finalcrete™ is an inexpensive, two component system, early strength concrete repair material that is easy to use on the job. A stronger formulated polymer admix designed as **Finalcrete™** Liquid Component A to be mixed with **Finalcrete™** Mix Component B. **Finalcrete™** is suitable for any general concrete repair, restoration or new concrete construction.

BASIC USES

Finalcrete™ is used for all types of concrete repairs. It is used for patching, from shallow feathering of a 1/16" to deeper pours and spalling scars. **Finalcrete™** can be used as a topping, as well as a deep or partial fill; smooth, swirl, broom or skid resistant surfaces obtainable. It can be tinted to meet end-user requirements, poured into forms, trowelled vertically, horizontally and overhead. It can be sprayed and has variable mixes for best results.

Main Features

ECONOMICAL

- Less work needed in preparing surface thus reducing costs and saving time

QUICK

- Fast time to service for quick turnaround from start to finish in 60 minutes

DURABLE

- Longer lasting repair and restoration eliminating returns for rework and touch-ups

VERSATILE

- For use on many applications requiring strength, flex, and adhesion

CONVENTIONAL TOOLS

- Use regular concrete repair tools, cleans up with water

HIGH PRODUCTIVITY

- Can be sprayed easily to gain quick application and high product yield

FLEXIBLE

- Accommodates widening crack repairs and the physical stress of freeze-thaw movement

ADHESION

- Will stick to virtually any surface

STRENGTH

- Stronger than conventional concrete and most other repair products

BONDING

- Self bonding, maintains adhesion even under strain, no failure at bond line

THICKNESS

- Can be layered in 2" increments up to a 6" depth, Can add aggregate

AGGREGATE

- Can be added up to 1/3 of mix in volume

NONFLAMMABLE

- Like concrete, it maintains high heat resistance

CURES RAPIDLY

- Workable in all weather and at all temperatures between 5C and 50C

COST EFFECTIVE

- Top performance properties achieve best yield and lower coverage costs

EASY TO USE

- Get the finish you want, and the job done fast and easy

PRODUCT AND TECHNICAL DATA

- Flash Point: None
- Compressive Strength:
 - 24 hour - 2338 psi / (16 MPa)
 - 3 day - 4061 psi / (28 MPa)
 - 7 day - 5147 psi / (35.5 MPa)
 - 28 day - 5943 psi / (41 MPa)
- Flexural Strength: 719.1 psi / (4.96 MPa)
- Shear Bond Adhesion: 4483.22 psi / (30.91 MPa)
- Set Time: Initial At 20°C (68°F) 20 minutes
- Application temp.: min 5°C to 50°C
- Primer: No primer required
- Clean-up: Water (before material sets)
- Shelf Life: 24 months, if stored away from direct heat
- Number of Components: Two (Part A Liquid and Part B Dry Mix)
- Available in Grey (can be coloured)

PACKAGING:

- Single Kit: 3.78L (1US gal)
Part A with Mix 1 bag -25kg (55lb) Part B
- Five Kit Pack: 18.9L (5US gal)
Part A with Mix 5 bags -25kg (55lb) Part B
- Also available in bulk packaging of 1000L Totes and 1000Kg. Super Sack.
- Yield : Single Kit = 40-90sq² / 3.7-9.3M² of mixed material, depending on thickness.

Various mix design formulations are available based on specific applications. These include mix designs suitable for full depth (6"), partial depth (2"), or thin bonded overlay (1/16" to 1/2"). Surfaces can be smooth or high skid-resistant finished; climate temperatures and humidity must be accounted for when mixing. **Finalcrete™** can be feathered to 1/16" without adhesion loss.

CONCRETE REPAIR

Product Data Sheet
Version: 2012-1000
Finalcrete™ 2 part system

MIXING

In a clean container using a paddle mixer, mix the two components by adding **Finalcrete™ Mix** (Component B) to **Finalcrete™ Liquid** (Component A). Mix at low speed until **Finalcrete™ Mix** (Component B) is thoroughly dissolved. When tinting, colour is added and mixed with the liquid prior to adding **Finalcrete™ Mix** (Component B). Mixing ratios to be altered accordingly to application, either trowel or spray. Mix can be retempered once with water to extend pot life or thickened with additional pre-blend dry mix to achieve desired working slump.

APPLICATION INSTRUCTIONS

Surface must be clean, dry and free of loose material. Remove all dirt from area to be covered leaving a rough, clean surface. Surface should be power washed and can remain wet but avoid standing water. Keep an adequate supply of water on hand to keep equipment clean. **Finalcrete™** is a thermo-setting, reactive, water-miscible, polymer admix for use in high performance concrete restoration and repair. **Finalcrete™** is a two part system to be mixed at the job site and is ideally suited for use in curb repair, concrete patching, deck overlays, parking lots, foundations, sidewalks and patios, industrial, commercial and residential concrete repair and restoration.

FINISHING

Finalcrete™ may be finished with spray, sponge, trowel or broom. Do not rework material after it has begun to set. **Finalcrete™** actually involves a dual chemical reaction: (i) an initial polymerization step produces high early strengths, and (ii) a continuing hydration (cement and water) reaction results in outstanding long-term strength. These chemical reactions are synergistic with the polymerization reaction occurring with improved efficiency and completion. **Finalcrete™** is a thermo-setting reactive material, does not require specialized application or curing techniques associated with latex modified concretes. **Finalcrete™** has dense, low permeable composition which results in negligible water absorption and chloride ion ingress. The tight matrix produced eliminates the need for air entrapment agents, while achieving exceptional freeze-thaw resistance. Its excellent flow characteristics eliminate the need for water-reducing agents or super-plasticizers, while maintaining desirable low water-to-cement ratios.

OVER COATING

Allow **Finalcrete™** at least 2 hours to cure before over-coating.
The cured surface needs no preparation but must be clean before applying second level of product.

SPECIAL HANDLING

Store materials in a clean dry area away from direct heat. Setting time of the mixed material will be greatly accelerated if the components are stored in a warm or hot environment; conversely, the setting time is extended if the materials are kept cool. Flush all spills with water. Clean all tools with water immediately after each use.

SAFETY

Please refer to MSDS at www.finalcrete.com. Use the same precautions similar to working with conventional concrete. Although the materials are non-toxic it is a good practice to protect exposed skin areas and to wear a face mask to prevent inhalation of the aggregate particles. Neither of the components nor the mixed product is flammable.

Call Technical Support 905.669.5013



Barrie, ON, Canada
finalcrete.com



WARRANTY DISCLAIMER

The information herein is to assist customers in determining whether **Finalcrete™** is the right product for the application. **Finalcrete™** is intended for sale to industrial and commercial customers. Avrocon recommends that customers inspect and test **Finalcrete™** before its use and satisfy themselves as to the performance, contents and suitability. Avrocon Industries Inc. guarantees that this product will perform as specified above and suits the application for which it was intended. Nonetheless, Avrocon does not offer any other explicit or implicit warranty. Avrocon's responsibility is limited to either replacement the product or a refund of the cost of the product proved defective.