



## TECHNICAL DATA SHEET

# CONCRETAL® FINE FILLER

### 1. PRODUCT DESCRIPTION

Concretal Fine Filler is a single component polymer modified smooth cementitious repair mortar with high adhesive properties. Do not use it to repair deep, large, or structural cracks. Use as a filler for minor voids and defects to provide a fair faced finish. Incorporates advanced micro silica, polymer, and fiber technologies. The product is supplied as a single component system requiring only the addition of clean water.

### 2. FIELD OF APPLICATION

Use on raw concrete facades and non-traffic surfaces to improve the appearance and texture. Thin layer applications from 0.02 in (0.5mm) to 0.15 in (4mm). Also used as a filler for pores and blowholes. Can be sponge floated to an extremely smooth finish.

### 3. PRODUCT PROPERTIES

A single component, polymer modified cement filler that mixes with water.

- Low-shrinkage and crack-free hardening
- Water resistant
- Resists frost and freeze-thaw cycling
- Resistant to de-icing salts
- Pre-packaged material requiring mixing with clean water on-site
- Adhesive mortar which can be rapidly applied in vertical and overhead situations
- High bond strength exceeds tensile strength of concrete thus ensuring monolithic performance of the repair
- Non-toxic when cured
- Economic mortar suitable for feather edging
- Easily overcoated with mineral silicate primers, stains and coatings

Color: Off White/Gray

### Environmental Compliance

EPA	YES
LEED	YES
CARB	YES
SCAQMD	YES

### 4. SURFACE PREPARATION

Remove all unsound concrete from the area to be repaired. The surface should be porous and absorb water. Wear proper personal protective equipment. Using the tip of a trowel, pry up any loose pieces of flaking or cracked concrete. Vigorously remove any crumbling concrete with a wire brush. Smooth surfaces should be sanded or etched to create a profile for adhesion of patching material. Do not apply over painted surfaces. Using a brush or compressed air, remove all loose particles and dust from the area to be patched.

### 5. APPLICATION

Begin with 1 gallon of water in a clean 5 gallon container. Add 25 kg of Fine Filler and mix with a slow speed drill and paddle for 5 minutes until lump free. Mixing by hand is not recommended. Adjust thickness of mixture, if needed by adding up to 1 quart of additional water. Water is added depending on the desired consistency and temperature conditions. Use less water in lower temperatures and more water in warmer temperatures. Once completely mixed you may begin application.

Apply Concretal Fine Filler with a float or trowel at a layer thickness of 1/32 up to 1/16 inch. To apply a full coverage parge coat, do not exceed 1/16 inch per layer. Large pits and blowholes should be filled by applying Fine Filler with a stiff rubber float, pressing wet mortar into holes, and removing excess from surface by scraping with the hard float.

For using Fine Filler as a scratch coat, addition of KEIM Concretal Acrylic Admix (special

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additive) is required, and for grout type applications. Mix 1 quart of Acrylic Admix to each gallon of water, then add bag of Fine Filler. Once the filler is applied, the surface may be smoothed with a float and finished with a soft dry sponge or felt pad for the smoothest finish.

### Set times

Once Fine Filler begins to set, it should not be mixed with additional water and never mixed with fresh Fine Filler.

### Application conditions

Let dry 12–24 hours between coats. Allow up to 90 days for full cure.

NOTE: Installing a mock-up to determine appropriate use and final appearance is always recommended.

### Drying times

Apply at room and surface temperatures between 60° F & 90° F. Full hardness is developed in 2-4 weeks. Air movement and exchange will assist in proper drying. Cold weather & high humidity will slow down cure time.

Touch:	4--6 hours
Between coats:	10--24 hours

### Cleaning

Clean spills, spatters, hands, and tools immediately after use with soap and warm water.

### Coverage\*

Highly dependent on application technique, number of layers and texture and porosity of surface.  
Approx. 150--200 SF per bag at 1/16" thickness

## 6. PACKAGING

25kg bags

## 7. STORAGE

Approx. 12 months in unopened bags under cool, frost-free conditions. Protect from heat, moisture and direct sunlight.

## 8. LIMITATIONS

Do not apply to floors or other horizontal concrete surfaces. This material is reactive and may degrade unprotected aluminum and other non-ferrous metals.

## 9. SAFETY INSTRUCTIONS

IMPORTANT: Read Safety Data Sheet carefully before using.

WEAR IMPERVIOUS GLOVES, such as nitrile, protective clothing, mask, and eye protection.

DANGER: May cause severe skin burns and serious eye damage. Remove affected clothing and wash skin immediately with soap and water. If eye contact, flush eyes with water and seek medical attention. Prolonged or repeated inhalation of dust may cause lung damage or cancer.

Keep out of reach of children!

The information and recommendations set forth in this Technical Data Sheet are based upon tests conducted by or on behalf of KEIM Mineral Coatings. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Consult <http://www.keim-usa.com/Technical-Data-Sheets> for the latest in product technical information.