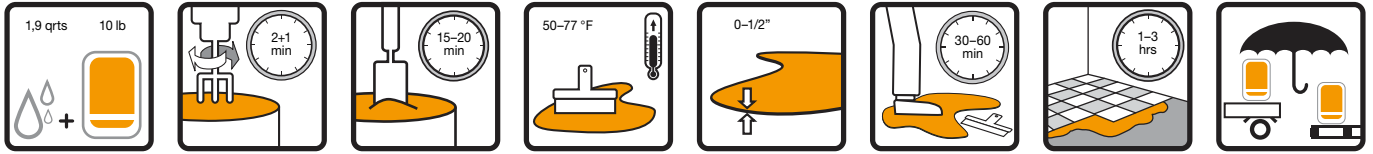


# Combimix datasheet

## FF 830

Product category: Floor  
Date: 03/18/2015  
Sid: 1(1)



### Area of use

FF 830 is a quick-drying finishing underlayment designed for skim-coating, smoothing and leveling prior to the application of floor coverings. FF 830 is suited for new construction and renovations. The product is intended for indoor use on substrates of concrete, lightweight concrete, ceramic tiles, gypsum boards, wood and homogenous PVC. FF 830 is easy to use and yields a very smooth surface finish.

### Pre-treatment

The substrate should be clean and free of dust, cement skin, grease and other impurities that can prevent adhesion. Adhesion and surface resistance of the substrate should be no less than 72 psi. Always prime the substrate with PP 600 and allow to dry before applying the FF 830 (see PP 600 datasheet for proper dilution and installation directions). In terms of the primer forming a film, the temperature of the substrate must not be below 50 °F. For best results, the ambient temperature in the work area should be between 50 and 77 °F. At higher or lower temperatures, the time for curing will shorten or extend. Protect the product from excessive heat, excessive cold and draft conditions during and after the installation. It is recommended that the installation should be done with a proper air ventilation from an HVAC system. With the risk for cracks due to shrinkage or settings in the subfloor, a concrete surface should not be leveled within the first 28 days after casting. As a recommendation the RH in the concrete should have reached RH 90 % as the upper limit for applying FF 830.

### Mixing

Mix the dry powder with max 1.9 qt (1.8 L) of cold, potable water, max 40 %, per 10 lb (4.5 kg) bag. Do not overwater. Mix for 2–3 minutes with a heavy duty drill mixer (650 minimum rpm) to obtain a lump-free mix. Product can be freshened by remixing without any additional water.

### Application

Apply the FF 830 to substrate at a thickness of feather edge to 1/2" (12 mm) for all surfaces. After initial set of material (approx. 10–15 min.), remove any overlap marks, seams and inconsistencies by scraping with a steel trowel.

### Post-treatment and curing

Protect FF 830 from excessive heat or draft conditions during the curing process. Protect for up to 24 hours after completed installation. Material can be walked on after 30 minutes. Before covered by carpet be sure that the subfloor is dry enough. The guiding value assumes a curing temperature of approximately 68 °F, 40 % RH and proper air flow.

### Storage time and packaging

Store in a dry environment, on an unopened plastic-coated pallet, six months from the date of production. The date of production is printed on the packaging. FF 830 Fast Fine is delivered in 10 lb (4.5 kg) bags.

### Residual products and safety information

Empty bags can be burned. Any remaining, dry powder that has been stored properly can be used again. Hardened material should be disposed of as construction waste. Do not wash the product into the sewage system. The cement in the product has a reduced level of chromate. Follow regulations in each respective country.

### Health, environment, safety and technical service documents

For current version of product information, contact Combimix at [info@combimix.se](mailto:info@combimix.se). Previously updated and dated issues are no longer valid. For more information contact our sales organization.

### Technical information

Compressive Strength (ASTM C-349-02)	4,350 psi
Flexural Strength (ASTM C-348)	870 psi
Fire standard (EN 13813)	A <sub>1</sub>
Surface Tensile Bond Strength (7 days)	> 144 psi
Substrates	Concrete, lightweight concrete, ceramic tiles, gypsum boards, wood and homogenous PVC
Pour depths	0–1/2"
Weight (dry state)	75 lbs/ft <sup>3</sup>
Weight (cured state)	95 lbs/ft <sup>3</sup>
Working time	15–25 min
Final set	30–60 min
pH (wet state)	apx. 11
Water damage resistant	yes
Shrinkage (ASTMC-426-99)	0,03–0,05 %
Emissions (ISO 16000-10 [indoor air quality part 10])	< 10 µg/(m <sup>2</sup> h)

### Coverage per 10 lb. (4,5 kg) bag

1/8" (3 mm) thickness	apx. 13.5 sq. ft. (1.3 m <sup>2</sup> )
1/2" (12 mm) thickness	apx. 3.4 sq. ft. (0.3 m <sup>2</sup> )

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