

LOW DUST

FINE

QUICK SETTING

FF 830 is a dust reduced, quick-drying finishing underlayment designed for skim-coating, smoothing and leveling prior to the application of floor coverings.

Intended Use

The 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 or other impurities that can prevent adhesion. Adhesion and surface resistance of the substrate should be no less than 0.5 MPa. Weak and porous substrates should always be primed with PP 600 and allowed to dry before applying FF 830. In terms of the primer forming a film, the temperature of the substrate must not fall below 10 °C. For best results, the ambient temperature in the work area should be between 10 and 25 °C. At higher or lower temperatures, the time for curing will shorten or extend. 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 95 % as the upper limit for applying the FF 830.

Mixing

Mix the dry powder with max 1,8 liter water (max 40 %) per 4,5 kg bag. Mix for 3 minutes with a drilling machine and a whisk to obtain a lump free mix. Product may be refreshed by re-mixing but do not add more water.

Execution

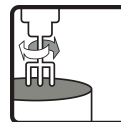
Apply the FF 830 to substrate with a steel trowel. After initial set, approx 10–15 min., remove any overlap marks, seams and inconsistencies by scraping with the steel trowel.

Water requirement



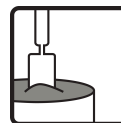
1,8 l/4,5 kg

Mixing time



2+1 min

Workable



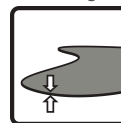
15–20 min

Working temperature



10–25 °C

Leveling layer



0–12 mm
6–12 mm lightweight concrete

Walkable



30–60 min

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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. FF 830 can be walked on after 30 minutes. Always make sure that the material is sufficiently dry before it will be covered by a carpet. The FF 830 may be covered by a carpet after 1–3 hours. The guiding value assumes a curing temperature of approximately 20 °C, 50 % RH and proper air flow. Newly produced surfaces must be protected against wind, sun and rain.

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 Final Finish is delivered in 4,5 kg bags.

Residual Products and Safety Instructions

Plasticbag: Recycle empty and cleaned sacks. Paperbag: Empty packaging is sorted as residual waste. 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.

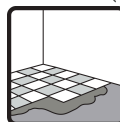
HMS Info

For current version of product information, contact Combimix at info@combimix.se. Previously undated and dated issues are no longer valid. For more information contact our sales organization.

Disclaimer

pdf-disclaimer

Coatable (tiles)



1 hr

Weather protection



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Product specification

Environment	indoor
Substrate	concrete, gypsum underlay, homogen-pvc, ceramics, lightweight concrete, stone, wood
Slope construction	no
Leveling layer	0–12 mm
Leveling layer	6–12 mm lightweight concrete
Grain size	< 70 µm
Material consumption	1.2 kg/m ² /mm
Water requirement	1,8 l/4,5 kg
Working temperature	10–25 °C
Mixing time	2+1 min
Workable	15–20 min
Drying time category	sjalvtorkande
Walkable	30–60 min
Coatable (tiles)	1 hr
Ready for floor covering	1–3 hrs
Water damage resistant	Yes
Surface tensile strength 28 days (ground loaded surface)	> 1,5 MPa
Free shrinkage	0,03–0,05 %
TVOC 28 days	< 10 µg/(m ² h)
Final surface	clinker, limmade-plastmattor, loslagt-tragolv, tatskikt
Release of corrosive substances	CT (as per EN 13813)
Compressive strength class	C25 (as per EN 13813)
Flexural strength class	F6 (as per EN 13813)

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Fire class / Reaction to fire	A1 (as per EN 13813)
Adhesion	> 2 MPa (as per EN 13813)