

LOW DUST

FINE

HAND APPLICATION

QUICK SETTING

A multipurpose trowelable patching compound for underlayments.

Intended Use

CM 840 is a multipurpose trowelable patching compound for underlayments. CM 840 can be installed on all types of concrete, well-bonded gypsum, bonded ceramic tile, quarry tile, Vinyl (non-cushion backed), VAT, VCT and PVC. Use Primer to block contact with gypsum-based surfaces. CM 840 is perfect for repairing cracks or creating slopes to drains. It may also be used on walls for repairs.

Pre-treatment

The substrate should be clean and free of dust, cement skin, grease and other impurities that may prevent adhesion. Adhesion and surface resistance of the substrate should be no less than 0,5 MPa. Always prime the substrate with PP 600 and allow to dry before pouring (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 10 °C. For best results, the ambient temperature in the work area should be between 10-25 °C. 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 95 % as the upper limit for applying the CM 840.

Mixing

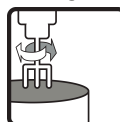
Mix the dry powder with max 4.2 L of cold, potable water, max 28 %, per 15 kg bag. Do not overwater. Mix for 2 minutes with a heavy duty drill mixer (650 minimum rpm) to obtain a lump-free mix. Let the mixed CM 840 rest for 1 minute and then mix it for 1 minute again. Product may be refreshed by re-mixing but do not add more water.

Water requirement



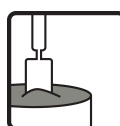
4,2 l/15 kg

Mixing time



2+1 min

Workable



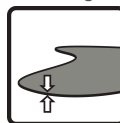
20-30 min

Working temperature



10-25 °C

Leveling layer

0-50 mm
6-20 mm

Walkable



30-60 min

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Execution

Apply blended material onto substrate at a thickness of 0–50 mm for all surfaces by using a steel trowel. 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 CM 840 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 30–45 minutes. Before covered by carpet be sure that the subfloor is dry enough. CM 840 is coverable 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. Paper packaging: Shelf life is 6 months in unopened original packaging from the date of production. Plastic packaging: Shelf life is 9 months in unopened original packaging from the date of production. The date of production is indicated on the packaging. The product is delivered in 15 kg bags.

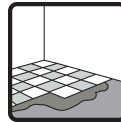
Residual Products and Safety Instructions

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, see www.combimix.com. Previously undated and dated issues are no longer valid. For more information contact our sales organization.

Coatable (tiles)



1 hr

Weather protection



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Disclaimer

pdf-disclaimer

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Product specification

Environment	indoor
Substrate	concrete, gypsum underlay, homogen-pvc, ceramics, lightweight concrete, stone, wood
Slope construction	no, yes
Leveling layer	0–50 mm
Leveling layer	6–20 mm
Grain size	< 0.5 mm
Material consumption	1.7 kg/m ² /mm
Water requirement	4,2 l/15 kg
Working temperature	10–25 °C
Mixing time	2+1 min
Workable	20–30 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 MPa
Free shrinkage	0.03–0.05 %
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)
Compressive strength, average	32 MPa (as per EN 13813)
Flexural strength class	F6 (as per EN 13813)

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Flexural strength class, average	7 MPa (as per EN 13813)
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Fire class / Reaction to fire	A1 (as per EN 13813)
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Adhesion	> 1 MPa (as per EN 13813)
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