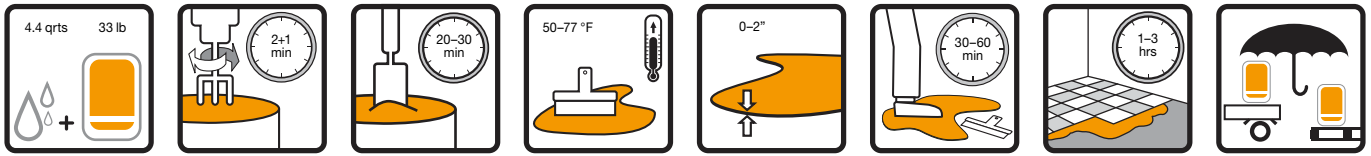


Combimix datasheet

CM 840

Product category: Floor
Date: 02/14/2018
Sid: 1(1)



Area of use

Combimix 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 72 psi. 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 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 the CM 840.

Mixing

Mix the dry powder with max 4.4 qt (4.2 L) of cold, potable water, max 28 %, per 33 lb (15 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 may be refreshed by re-mixing but do not add more water.

Application

Apply blended material onto substrate at a thickness of 0" to 2" (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. 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. CM 840 is delivered in 33 lb (15 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. 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)	1,015 psi
Fire standard (EN 13813)	A1 _{fl}
Surface Tensile Bond Strength (7 days)	> 144 psi (> 1.0 MPa)
Substrates	Concrete, lightweight concrete, ceramic tiles, gypsum boards, wood and homogenous PVC
Pour depths	0–2"
Weight (dry state)	105 lbs/ft ³
Weight (cured state)	123 lbs/ft ³
Working time	20–30 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 ² h)

Coverage per 33 lb. (15 kg) bag

1/4" (6 mm) thickness	apx. 15.8 sq. ft. (1.5 m ²)
1/2" (12 mm) thickness	apx. 8.0 sq. ft. (0.7 m ²)

Notice

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