

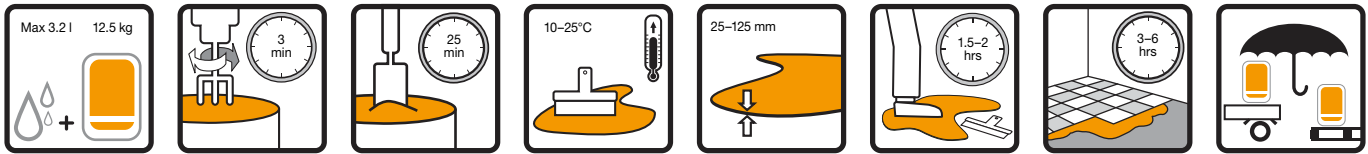
Combimix datasheet

CM 8650 Light

Product category: Underlayments

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Area of use

CM 8650 Light is primarily intended to be used where a quick-drying, lightweight alternative is needed. For use in homes, offices, public buildings and similar areas. CM 8650 Light is approved for use in marine environments. Suitable for stable substrates of concrete, ceramics, stone, steel, sheet metal or wood, where there is little risk of movement or deformation. Proper application thickness is 25-125 mm. Do not use product with underfloor heating due to its insulating properties. Minimum of 5 mm floor mortar is needed as underlay for carpeting. Reinforcement is needed for use on wood.

Substrate

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 0.5 MPa. Always prime the substrate with PP 600 and apply wet-in-wet. 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. In terms of the formation of cracks due to shrinkage or potential settling, do not cover a concrete structure earlier than one month after pouring the concrete. The guiding value of 90% RH during construction should be set as an upper limit during the application of the product.

Mixing

CM 8650 Light is mixed with a max. 3.2 liters of water per 12.5 kg bag. Mix with a drilling machine with a whisk, and whisk until it becomes a stiff, lump-free compound that can be shaped into a ball in your hand. If the screed has started to dry out, do not try to mix in more water, rather discard the screed.

Application

Spread the blended compound on the floor and compress and swipe with the straight-edge of a lath to a thickness of min 25 mm. In wet rooms with an slope, set a lath along the wall and pull the mortar toward the floor drain. Always properly seal the drains to avoid clogging the drainage lines.

Post-treatment

The screeded, compressed surface can be floated immediately. Before the screed has managed to fully cure, smooth the surface with a trowel. Do not allow the material to dry too quickly and protect it from evaporation, high temperatures, drafts, etc. by placing a plastic cover over it. Final finish can be done as soon as the surface has dried.

Curing

Always make sure that the material is sufficiently dry before treating with a wet room membrane. On dry substrates, the curing time in order to apply the wet room membrane is 8-16 hours after leveling with CM 8650 Light. The drying time specified assumes a curing environment with approximately 20°C, 40% RH and proper air flow. The curing time for laying carpet depends on what type of top spackling is used.

Storage time and packaging

Six months in dry areas. CM 8650 Light is delivered in 12.5 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.

Health, environment, safety and technical service documents

Current version of the datasheet, CE documents, building material declaration and safety data sheets are available at www.combimix.com. Previous undated or dated editions are not valid. For more information contact our sales organization.

Technical data as per Marine directive 96/98/EC

Release of corrosive substances	CT
Compressive strength class	C5
Compressive Strength	10 MPa
Flexural strength class	F2
Tensile Bond Strength	2.5 MPa
Fire Resistance class	IMO FTPC Part 6 (IMO Res. A.687(17)), IMO FTPC Part 2
RWFC	-
Adhesion to steel average	> 0.6 MPa

Other properties

Substrate	Concrete, light concrete, ceramic, stone, steel, sheet metal, wood joists with mesh reinforcement. Do not use with underfloor heating
Thickness	25-125 mm
Grain size	< 0.5 mm
Material consumption	0.65 kg/m ² /mm
Weight (dry state)	650 kg/m ³
Flow rate	-
Working time	25 min
Final set	1.5-2 hrs
Coverable (clinker)	3-6 hrs
Curing	8-16 hrs
pH	approx. 11
Water damage resistant	Yes
Surface tensile strength 28 days	> 1 MPa
Shrinkage-free	0.05 %
TVOC 28 days	> 10 µg/(m ² h)

Certification



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