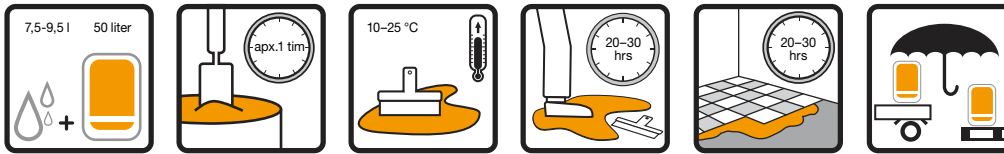


Combimix datasheet

CM 630 Lightweight

Product category: Underlayments
Date: 2017-10-27
Page: 1(1)



Area of use

CM 630 Lightweight is a dust reduced flooring product based upon cement and EPS. The product is intended as a lightweight build-up on wood or any firm sublayer that are intended to be leveled with Combimix self-leveling underlayments.

Pre-treatment

The substrate should be clean and free of dust, cement skin, grease and other impurities that may prevent adhesion. In terms of the primer PP 600 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. If it is meant as a floating floor, the subfloor shall be covered with age-resisting plastic before applying the CM 630. The plastic must be covering all horizontal and vertical surfaces.

Mixing

CM 630 is mixed with 7,5 - 9,5 liter of water for every 50 liter bag. CM 630 may be pumped with a special pump.

Application

CM 630 is applied evenly on the substrate and a straight-edge is used to get the right thickness. Use a Bull-float to get a good surface. The CM 630 is workable for about one hour. When pumped, the CM 630 might swell up to 15 % in volume afterwards. If the product shall be applied as a floating floor the thickness of the CM 630 must be at least 30 mm and with a covering of at least 20 mm of SLU that is steel mesh reinforced.

Post-treatment and curing

The newly casted surface may be protected against too rapid dehydration by being covered with plastic, avoiding high temperatures, wind or direct sunlight. CM 630 is ready to be coated with self-leveling after 20–30 hours after casting, depending on temperature and RH.

Coating with self leveling:

CM 760: Min. 10 mm and no steelnet reinforcement necessary other than in wetrooms
Rest of the 700 series: Min. 20 mm and steelnet reinforcement

Storage time and packaging

Store in a dry environment, on an unopened plastic-coated pallet, 12 months from the date of production. The date of production is printed on the packaging. CM 630 Lightweight is delivered in plastic bags of 50 lit.

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 undated and dated issues are no longer valid. For more information contact our sales organization.

Technical data

Compressive strength without coating	3,0 MPa
Compressive strength with coating	5,0 MPa
Flexural strength class	–
Flexural strength, average	–
Fire resistance class	Bfl-s1
Heat conduction	0,1322 W / (mK)
Adhesion to surface	–

Other properties

Substrate	Concrete, lightweight concrete, ceramic, stone, homogen PVC, wood and gypsum underlay
Thickness	15–500 mm
Grain size	–
Material consumption	1 bag = approx. 46 litres (mixed with water)
Weight (dry state)	350 kg/m ³
Weight (cured state)	440 kg/m ³
Flow rate	–
Working time	apx. 1 hr
Final set	20–30 hrs
Coverable (SLU)	20–30 hrs
pH	–
Water damage resistant	yes
Surface Tensile Bond Strength, 28 days (sanded surface)	–
Shrinkage	–
Expansion after pumping	< 15 %
TVOC 28 days	–

This product sheet contains general information. Products can be used in a number of changing conditions and situations. Combimix is not responsible for the storage, use in construction, processing or design, interactions with other products, required use due to local conditions or other external factors. Combimix is also not responsible for cases where the above information has been misinterpreted or neglected by the user.

