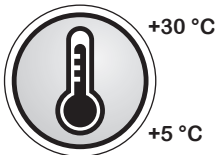


CHAPMIX-RAPID C20

CE	
12	
COMPAKTUNA® bv/srl INDUSTRIEPARK ZWIJNAARDE 6 9052 GENT – BELGIUM	
046/CPR/221208	
EN 13813: 2002	
CHAPMIX-RAPID C20	
Cementitious screed material for internal use	
Release of corrosive substances	CT
Compressive strength	C20
Flexural strength	F4



CHARACTERISTICS

Fast-setting screed



CHAPMIX-RAPID C20 is a dry, ready-to-use cement-based screed, suitable only for indoor applications. CHAPMIX-RAPID C20 consists of cement, selected quartz sands, and high-quality aggregates. By simply adding water, you get a screed with high final strength, accelerated setting, and low shrinkage.

CHAPMIX-RAPID C20 is used for laying cement-based floor screeds. For laying tiles in a mortar bed, refer to our product EGALCOL M10. For laying tiles on a screed, refer to our products KLEEFCEMENT PLUS, FLEXcement®, FLEXcement® PLUS, DIKBED-FLEX.

CHAPMIX-RAPID C20 dries quickly and can be tiled after 1 day (at +20 °C). After 3 days, parquet, cork, etc. can be installed, provided the residual moisture is less than 2.5%. CHAPMIX-RAPID C20 is therefore particularly suitable for renovation works in places like shops, offices, etc.

Technical characteristics		Category and values according to NBN EN 13813 MPa (N/mm²)
Compressive strength	after 7 days after 28 days	≥ 16 (C20) ≥ 20
Bending resistance	after 7 days after 28 days	≥ 3 (F4) ≥ 4
Moisture content	after 24 hours (on 40 mm)	ca. 3,5% (*)

(*) = by means of Carbide testing (CM)

Mixing ratio	Consumption	Packaging
±2 L water per 25 kg bag (±8%)	±1,7 kg/mm/m²	25 kg PE
Colour	Processing time	Application temperature
Light grey	±30 minutes	+5 °C to +30 °C

CHAPMIX-RAPID C20

DIRECTIONS FOR USE

1. Substrate

Bonding screed

Work is always carried out on a rough, sound, dust- and oil-free substrate that is free from loose particles. Absorbent substrates should be dampened and pretreated with a COMPAKTUNA® (PRO)/water solution (1/4) or with PRIMER PO. On a hardened substrate, a bonding bridge with COMPAKTUNA® (PRO) should be applied. This bonding bridge consists of 1 part by volume of COMPAKTUNA® (PRO) and 2 parts by volume of clean water, to be mixed first, and then adding a dry mixture of half cement and half coarse river sand until a thick, spreadable paste is formed. CHAPMIX-RAPID C20 is then applied on this layer while it is still wet.

Floating screed

The plastic sheeting must overlap sufficiently and extend above the screed. On insulating substrates, both bonding and floating applications can be used.

2. Application

CHAPMIX-RAPID C20 is mixed with approximately 8% water, i.e., 2 L of water per 25 kg of product, depending on the desired consistency. Mix thoroughly with a slow-turning mixer for 3 minutes until a lump-free, homogeneous screed mortar is obtained. Spread the screed mortar, bring it to the desired height, and compact it. Non-compacted screed mortar has a high void ratio and will therefore develop a low compressive strength. It is also recommended to reinforce the screed.



REMARKS

- The minimum layer thickness of CHAPMIX-RAPID C20:
 - bonding: 20 mm
 - floating: 50 mm
- The maximum total layer thickness of CHAPMIX-RAPID C20 is 80 mm.
- Compressive strength after 7 days: ≥ 16 MPa
- Foot traffic: after 4 hours
- The processing temperature is between $+5^{\circ}\text{C}$ and $+30^{\circ}\text{C}$ (applicable to both the substrate and the environment). During curing, protect CHAPMIX-RAPID C20 from drying out by covering it with plastic sheeting or by regularly moistening it with a fine mist of water, even at low temperatures.
- The working time of CHAPMIX-RAPID C20 is 30 minutes at $+20^{\circ}\text{C}$.
- The joints in the substrate must be continued into the screed.
- CHAPMIX-RAPID C20 cannot be used as a final layer. For leveling uneven or damaged floors, refer to EGALISER-EN C25 and EGALISER-EN PLUS C30.
- CHAPMIX-RAPID C20 is temperature-dependent: higher temperatures shorten the working time, while lower temperatures will delay the floor's usability.
- CHAPMIX-RAPID C20 must not come into contact with gypsum during curing.

PACKAGING

CHAPMIX-RAPID C20 is available in light grey color in polyethylene bags of 25 kg. The shelf life is 12 months in the original, unopened packaging and stored in a dry place.