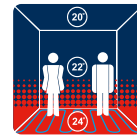




Technical
Data
Sheet



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CONTOPP®

ACCELERATOR 10

Article number: 20.210

Function

- Quick to dry sand/cement screeds
- Increased workability

PROPERTIES

Application area

- For producing bonded screeds and floating screeds in accordance with BS 8204.
- For producing screeds on underfloor heating.
- For damp or outside areas.

Data

Colour:	green
Form:	liquid
Density (20 °C):	1.05 ± 0.01 g/ml
Processing temperature:	above + 5 °C
Shelf life	ca. 12 months – protect from frost and direct sunlight
Supply form:	PVC-can: 30 kg netto
	Poly-drum: 210 kg netto
	Container: 1.000 kg netto

TECHNICAL DATA

Mix model

	200 ltr mix	Standard 1 : 4 mix	Heavy Duty 1 : 3 mix	Unit
Cement		50	63	kg
Sand 0/8 ¹⁾		320	300	kg
Accelerator 10		0.50²⁾	0.63²⁾	ltr.
w/c-ratio		0.53 – 0.55	0.53 – 0.55	

Strength

Criteria	Standard	Heavy Duty	Unit
Flexural strength (28 days)	F4	F5	N/mm²
Comp. strength (28 days)	C25	C35	N/mm²

Floor Finish

Criteria	Standard	Heavy Duty	Unit
Foot traffic		36	hours
Floor finish ³⁾		14 – 16	days

¹⁾ according to
BS EN 13139

²⁾ corresponds to

1.0 V-% of the cement weight.

³⁾ according to BS 8204-1.

This ideal screed mortar can only be manufactured whilst adhering to the processing information listed below. The details refer to 50 mm screed thickness, normal climatic conditions at + 20 °C and a relative humidity of 65 %. If the mixing conditions in accordance with BS 8204-3 are not complied with, when using a CONTOPP® Accelerator system the quality of the screed mortar should still generally be improved.

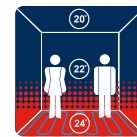
Basic materials

- OPC oder blends following BS EN 197.
- Aggregates following BS EN 13139.

PROCESSING INFORMATION



Technical Data Sheet



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Recipe

- Stick to the dosage (1.0 V- % of cement weight); ingredients should be added to the moistened mix.
- w/c-ratio < 0,55.
- Mix for at least 2 minutes after adding all the components.

Construction site conditions

- Protect from draughts and direct sunlight during setting.
- Remove surplus moisture by means of draught-free ventilation (natural ventilation).
- Nature of construction and construction site preparation following BS 8204-1 and 8000.

Assessing ready-to-lay

- Prior to laying the top flooring, the residual moisture of the screed must be measured by the person laying the floor.
- Whilst adhering to all the producers's details, BS 8203 recommends laying the screed under 75 % relative humidity.
- According to the KNOPP's producer advice all floor coverings must be laid under a residual moisture content of 3.0 % using the carbide bomb measuring device (corresponds to approx. 4.5 Tramex reading – to be used only as indicator test).

Safety

- Always observe general work hygiene when using our products.
- CONTOPP® Accelerator Systems are solvent-free and chloride-free.
- Our products do not deteriorate when stored properly (see data). Therefore, the stability and reactivity is not affected by storage.
- You can find out more information on handling CONTOPP® Accelerators from our safety data sheets.

Standards and testing regulations

- BS 8203: Installation of resilient floor coverings
- BS 8204: In-situ floorings – bases and screeds
- BS 8000: Code of practice for cement/sand floor screeds and concrete floor toppings
- BS EN 13139: Aggregates for mortar
- BS EN 197: Cement – Part 1: Composition, specifications and conformity criteria for common cements

Comments

The raw materials we process and the products we produce are subject to strict factory inspections. Do not use products from other manufacturers when using this product. It is stressed that our products and the procedure must be tested for suitability for the expected construction site conditions. The quality of screeds is essentially influenced by the quality of sand and cement, the mixing rates and the processing in accordance with approved screeding technology. Upon the publication all other previous copies shall become invalid.

Stand 02.07.2012

PROCESSING INFORMATION

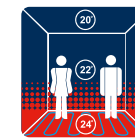
SPECIAL INFORMATION

GENERAL INFORMATION



CONTOPP®

Cement Screed Technology



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Minimum screed thicknesses

using CONTOPP® cement screed additives:

CONTOPP® Product	Mix ¹⁾	Bending strength ²⁾	Bonded ³⁾	Unbonded	Floating	On underfloor heating ⁴⁾
Accelerator 10	1 : 4	4 N/mm ²	Standard: ⁵⁾ 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Accelerator 15	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Accelerator 20	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Accelerator 10 Compound	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Accelerator 15 Compound	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Accelerator 20 Compound	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Effloor H5	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Fibercompound Pro SL-1C	1 : 4	4 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 40 mm Heavy duty: 65 mm	Standard: 45 mm Heavy duty: 65 mm
Duremit PB	1 : 4	5 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 40 mm Heavy duty: 40 mm	Standard: 35 mm Heavy duty: 55 mm	Standard: 45 mm Heavy duty: 60 mm
Duremit 50	1 : 4	7 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 30 mm Heavy duty: 30 mm	Standard: 30 mm Heavy duty: 50 mm	Standard: 40 mm Heavy duty: 55 mm
Hardening agent 35	1 : 4	7 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 30 mm Heavy duty: 30 mm	Standard: 30 mm Heavy duty: 50 mm	Standard: 40 mm Heavy duty: 55 mm
Hardening agent 40	1 : 4	7 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 30 mm Heavy duty: 30 mm	Standard: 30 mm Heavy duty: 50 mm	Standard: 40 mm Heavy duty: 55 mm
Fibercompound Duremit	1 : 4	7 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 30 mm Heavy duty: 30 mm	Standard: 30 mm Heavy duty: 50 mm	Standard: 40 mm Heavy duty: 55 mm
Fibercompound Duremit hydro	1 : 4	7 N/mm ²	Standard: 20 mm Heavy duty: 20 mm	Standard: 30 mm Heavy duty: 30 mm	Standard: 30 mm Heavy duty: 50 mm	Standard: 40 mm Heavy duty: 55 mm

¹⁾ Mix design by parts of volume between cement : sand according BS 4721. Dosage and mixing model according to respective technical data sheet.

²⁾ Differing flex. bending strengths than the aforementioned lead to different screed thicknesses. Nevertheless the minimum tolerable screed thickness is 30 mm (unbonded and floating).

³⁾ Production limitations lead to a minimum thickness of times 3 of Ø of max. grain size.

⁴⁾ In the case of screeds on underfloor heating, the given thickness respects to thickness above the pipes.

⁵⁾ Working load: Standard < 2.0 kN/m²; Heavy duty: < 3.5 kN/m²