



CONTOPP®

FIBERCOMPOUND DUREMIT hydro

Article n°: 20.906

Technical
datasheet

PROPERTIES

Function

- Increase in strength through synthetic hardening
- Load-dependent reduction of the screed thickness down to 30mm
- Rehydration protection
- Minimization of cracking through filament reinforcement
- Improvement of the processibility through plastification
- Reduced shrinkage
- Contains tracer for a subsequent half-quantitative analysis in sand/cement screeds

Application area

- For producing bonded screeds and floating screeds
- For producing of non-standard thin-layered screeds
- For producing screeds on underfloor heating
- For damp or outside areas
- EMICODE EC1plus



TECHNICAL DATA

Data

Colour:	between white and beige
Colour proof-pigment:	yellow fluorescing
Form:	pasty
Processing temperature:	over + 5 °C
Shelf life	approx. 12 months - do not expose to sunlight or frost during storage
Supply form:	PP-Bucket: 25 kg net

Mix

	1 : 5 mix by weight	Standard	CONTOPP®	Unit
Cement		63	63	kg
Sand 0/4 ¹⁾		310	310	kg
Fibercomp. Duremit hydro		-	0.6 ²⁾	ltr.
w/c-ratio		0.70 – 0.80	0.40 – 0.50	

Strength

Criteria	Standard	CONTOPP®	Unit
Flexural strength (28 days)	F5	F7	N/mm ²
Comp. strength (28 days)	C25	C40	N/mm ²
BRE test (impact resistance)	Category B	Category A	

Floor Finish

Criteria	Standard	CONTOPP®	Unit
Foot traffic	72	24	hours

¹⁾according to BS EN 13139

²⁾corresponds to 1.0 V-% of the cement weight

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 %.

Basic materials

- CEM I or CEM II following EN 197
- Aggregates following EN 13139

PROCESSING INFORMATION

Recipe

- Stick to the dosage (1.0 V-% of cement weight); ingredients should be added to the moistened mix. W/c-ratio < 0.50
- Mix for at least 2 minutes after adding all the components

Construction site conditions

- Protect screed from draughts and direct sunlight during setting.
- Remove surplus moisture by means of draught-free ventilation (natural ventilation).
- Nature of construction and site preparation following general codes of practice.

Minimum screed thickness ¹⁾

Flexural strength	Bonded	Unbonded	Floating	On underfloor heating ²⁾
7 MPa	Standard: 20 mm Heavy duty: 20 mm	Standard: 30 mm Heavy duty: 35 mm	Standard: 35 mm Heavy duty: 40 mm	Standard: 35 mm Heavy duty: 40 mm

¹⁾ Working load: Standard $\leq 2.0\text{kN/m}^2$; Heavy duty: $\leq 3.5\text{kN/m}^2$

²⁾ In the case of screeds on underfloor heating thickness above the pipes

³⁾ No steel reinforcement required

Screed on underfloor heating - start-up heating protocol ^{1) 2)}

Heating process after laying	19 th day	20 th day	21 th day	22 th day	23 th day	24 th day	25 th day	26 th day	27 th day	28 th day
Temperature	25°C	35°C	45°C	55°C	55°C	55°C	55°C	45°C	35°C	25°C

¹⁾ It can be useful to lengthen the heating procedure for screed thicknesses of $> 50\text{ mm}$ above the pipes to achieve sufficient drying.

²⁾ During the heating phase do not carry out any finishing work and do not cover or block the screed surface.

³⁾ UFH must be switched off during the laying of the screed.

Measuring residual moisture content

- Prior to laying the top flooring, the residual moisture of the screed must be measured by the person laying the floor.

Health & Safety

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

Standards and testing regulations

- EN 13139: Aggregates for mortar
- EN 197: Cement – Part 1: Composition, specifications and conformity for 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 01.09.2024

SPECIAL INFORMATION

GENERAL INFORMATION