



CONTOPP®

Duremit 50

Article number: 20.302

Technical Leaflet

Funktion

- Production of high-strength cement screeds up to quality class C45.
- Favourable processing and smoothing properties thanks to the plasticising components

Application area

- For producing highly stressed, cement-bonded utility screeds
- For producing high-strength industrial screeds
- For producing screeds with hard granular surfacing

Data

Colour:	brown
Form:	liquid
Density (20 °C):	1.16 ± 0.02 g/ml
Processing temperature:	as of + 5 °C
Shelf life:	c. 12 months – protect from frost and direct sunlight
Supply form:	PVC can: 35 kg net
	Poly drum: 240 kg net
	Container: 1.200 kg net

Mix

Recipe per mix	Standard	CONTOPP®	Unit
Cement	63	63	kg
Sand 0/4 ¹⁾	300	300	kg
CONTOPP Duremit 50	–	1,1 ²⁾	ltr.
w/c ratio	0,70 – 0,80	0,40 – 0,50	

Strength

Criteria	Standard	CONTOPP®	Unit
Strength in flexure (28 days)	F5	F7	N/mm ²
Comp. strength (28 days)	C35	C45	N/mm ²

1) according to BS EN 13139
2) corresponds to 2,0 M-% of the cement weight.
This ideal screed mortar can only be produced whilst adhering to the processing information listed below.

Basic materials

- CEM I 32.5 R or CEM II (A-types recommended) 32.5 R in accordance with BS EN 197.
- Sand 0/4 in accordance with BS EN 13139.

Recipe

- Stick to the dosage (1.1 l per 63 kgs CEM or 0.9 l per 50 kgs CEM).
- The additive is added to the moistened mix.
- w/c ratio < 0.50
- Increased water saving must be taken into consideration!
- 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 manufacturer's details, BS 8203 recommends laying the screed under 75 % relative humidity.

CHARACTERISTICS

TECHNICAL DATA

PROCESSING INFORMATION

Bonded screeds

Use epoxi-bonding agent SYSTOPP Colerit EH-2 for strength classes above CT-C30-F5 and lay screed wet on wet prior to the onset of the drying process of the bonding agent.

Safety

- Always observe general work hygiene when using our products.
- CONTOPP® hardeners are solvent-free, chloride-free and safe in terms of organic architecture.
- Our products do not deteriorate when stored properly (see data). Therefore, the stability and reactivity is not affected by storage up to 12 months.
- You can find out more information on handling CONTOPP® hardeners 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

Comments

The raw materials we process and the products we produce are subject to strict factory inspections. Do not use additives 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.

As we have no control over construction site conditions or the execution of the work, we cannot be held legally liable as a result of the information included in this leaflet. Upon the publication of this leaflet all other previous copies shall become invalid.

Valid from

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