



CONTOPP®

DUREMIT CARBO

Article n°: 20.305

Technical
datasheet

PROPERTIES

Function

- High cement savings of up to 40% as a contribution to sustainable construction
- Optimized climate balance through up to 50% reduction in CO₂ emissions
- Conservation of resources through high water savings
- Strength class CT-C20-F4 with a mixing ratio of 1:9
- Sharply reduced shrinkage stresses
- Use of clinker-efficient CEM II/C cements approved

Application area

- For producing highly stressed, sand/cement wearing screeds in accordance with BS 8204.
- For producing wearing screeds with hard granular surfacing.
- For producing screeds on underfloor heating.
- Suitable for wet rooms and outdoor areas.
- EMICODE EC1plus



Data

Colour:	Green
Form:	liquid
Density (20 °C):	1.16 ± 0,02 g/ml
Processing temperature:	above + 5 °C
Shelf life	ca. 12 months – protect from frost and direct sunlight
Supply form:	PE-HD-can: 20 kg netto Container: 1.100 kg netto

TECHNICAL DATA

Mixing model CT-C20-F4

Mix	Standard	CONTOPP®	Unit
Cement	50	37.5	kg
Sand ¹⁾	320	330	kg
DUREMIT CARBO	-	0.5 ²⁾	ltr.
Total water content	ca. 35	ca. 22	ltr.
Foot traffic	72	36	hours

Mixing model CT-C25-F5

Mix	Standard	CONTOPP®	Unit
Cement	63	37.5	kg
Sand ¹⁾	310	330	kg
DUREMIT CARBO	-	0.8 ³⁾	ltr.
Total water content	ca. 41	ca. 18	ltr.
Foot traffic	72	36	hours

1) following BSN EN 13139

2) corresponds to 1,4 V-% of the cement weight.

3) corresponds to 2,2 V-% of the cement weight

Basic materials

- CEM I or CEM II/A, B or C following BS EN 197.
- Sand following BS EN 13139 – Sand 0/8 – sieveline A/B
- CONTOPP® Duremit CARBO is compatible with all other additives in the CONTOPP® accelerator series. In this case, the W/C values specified there must be taken into account as maximum values.

PROCESSING INFORMATION

Recipe

- Stick to the dosage (1.4 – 2.2 V-% of cement weight); ingredients should be added to the moistened mix..
- w/c-ratio < 0,60
- 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 construction site preparation following BS 8204-1 and 8000

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.
- Whilst adhering to all the manufacturer's details, BS 8203 recommends laying the screed under 75 % relative humidity.
- When combined with CONTOPP® accelerator systems, the manufacturer's instructions for measuring residual screed moisture apply.

SPECIAL INFORMATION

Health & Safety

- Always observe general work hygiene when using our products.
- CONTOPP® Duremit CARBO is 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.
- Find out more information on handling CONTOPP® Duremit CARBO from our safety data sheets.

Standards and testing regulations

- BS 8204: In-situ floorings – bases and screeds
- BS 8000: Code of practice for cement/sand floor screeds and concrete floor toppings
- BS EN 197: Cement – Part 1: Composition, specifications and conformity for cements

GENERAL INFORMATION

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.

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