

Technical

datasheet

CONTOPP®

DUREMIT 60 Article n°: 20.304

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PROPERTIES

Function

- Production of coloured terrazzo-screeds with high-strength performance
- Optimised dispersion of colour pigments to obtain even and homogenous texture
- Up-speeded early-strength and drying for polishing surfaces after 5 7 days
- Reduction of the screed thickness to a minimum of 35 mm on insulation or polythene sheet
- Contains tracer for a subsequent half-quantitative analysis in sand/cement screeds

Application area

- For producing highly stressed, sand/cement wearing screeds.
- For producing wearing screeds with hard granular surfacing.
- For producing screeds on underfloor heating.

Data

Colour: yellow

Colour proof-pigment: yellow fluorescing

Form: liquid

Density (20 °C): $1.17 \pm 0.01 \text{ g/ml}$ Processing temperature: above + 5 °C

Shelf life ca. 12 months – protect from frost and direct sunlight

Supply form: PE-HD-can: 20 kg netto

Criteria

Foot traffic

Container: 1,100 kg netto

Mix

1 : 5 mix by weight	Standard	CONTOPP®	Unit
Cement	63	63	kg
Sand 0/8 1)	310	310	kg
Duremit 60	-	0.6 ²⁾	ltr.
w/c-ratio	0.70 - 0.80	0.40 – 0.50	

Strength

Criteria Flexural strength (28 days)	Standard F5	CONTOPP® F7	Unit N/mm²
Comp. strength (28 days)	C25	C40	N/mm ²
BRE test (impact resistance)	Category B	Category A	

Standard

CONTOPP®

Unit

Floor Finish

1)according to EN 13139

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 %. Using sand with maximum grainsize < 8mm strength can be lower.

Basic materials

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

Recipe

- Stick to the dosage (0.5 1.5 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

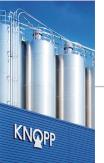
- Protect from draughts and direct sunlight during setting.
- Remove surplus moisture by means of draught-free ventilation (natural ventilation).
- Nature of construction and site preparation following general codes of practice.

TECHNICAL DATA

PROCESSING

INFORMATION

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



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Minimum screed thickness 1)

Flexural strength	Bonded	Unbonded	Floating	On underfloor heating ^{2) 3)}
7 N/mm ²	Standard: 20 mm	Standard: 30 mm	Standard: 35 mm	Standard: 35 mm
	Heavy duty: 20 mm	Heavy duty: 35 mm	Heavy duty: 40 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		20			23 th day			20	27 [™] 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 mm above the pipes to achieve sufficient drying.

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 systems from our safety data sheets.

Standards and testing regulations

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

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 01.08.2024

SPECIAL INFORMATION

GENERAL INFORMATION

²⁾ The residual moisture content must be tested prior to the application of the final floor finish (CM-method).