



CONTOPP®

DSR 2

Article number: 19.101

Technical
Date Sheet

PROPERTIES

Function

- Significant reduction in drying shrinkage of cement screeds
- Reduces the surface tension of the mixing water to minimize the suction forces on the capillary walls at the same time, thereby reducing the resulting shrinkage stress.
- No change in compressive and flexural bending strength

Application area

- For producing semi-dry sand/cement screeds and cement flowing screeds with reduced drying shrinkage.
- Proven shrinkage class SW2 (0.2mm/m – 0.5mm/m = shrinkage reduced) according to DIN 18560-1. Test of shrinkage according to DIN EN 13892-9 over 90 days in combination with other additives from the CONTOPP® series is available.
- Expressly recommended when manufacturing bonded screeds and terrazzo screeds.

Data

Color:	colorless, transparent
Form:	liquid
Density (at 20 °C):	0.92 ± 0.02 g/cm ³
Processing temperature:	above +5 °C
Shelf life	approx. 12 months – protect from frost and direct sunlight
Supply form:	PE-HD can: 18 kg net Container: 920 kg net

TECHNICAL DATA

Mixing model

¹⁾ acc. to BS EN 13139

²⁾ corresponds to 2.0 % by vol. of the cement weight.

Recipe per mix	Standard	CONTOPP®	Unit
Cement	63	63	kg
Sand ¹⁾	310	310	kg
DSR 2	-	1.3 ²⁾	ltr.

Shrinkage

Criteria	Standard	CONTOPP®	Unit
Shrinkage (90 days)	approx. 800	approx. 350	µm/m

This ideal screed mortar can only be manufactured by following the preparation instructions provided below. The information is based on 40 - 50 mm for unheated screeds and 65 - 70 mm for heated screeds, normal climatic conditions at +20 °C and a relative atmospheric humidity of 65%. If the mixing ratios are varied with regard to the standard and CONTOPP® mixture, the quality of the screed grout finished by CONTOPP® will generally be higher than that of the standard mixture, however.

Basic materials

- CEM I or CEM II (A-types recommended) according to BS EN 197-1.
- Sand in accordance with BS EN 13139.

PROCESSING INFORMATION

Recipe

- Recommended dosage range 1.0 – 3.0% by vol. in relation to cement weight
- The ingredients should be added to the moistened mix.
- Mix for at least 2 minutes after adding all the components.

Construction site conditions

- Protect from draughts and direct sunlight during curing.
- Remove surplus moisture by means of draught-free ventilation (natural ventilation).
- Nature of construction and construction site preparation following DIN 18560.



Safety

- Always observe general work hygiene when using our products.
- CONTOPP® DSR 2 is solvent-free, chloride-free and safe in terms of organic architecture.
- CONTOPP® DSR 2 does not deteriorate when stored properly. Therefore, stability and reactivity are not affected by storage up to 12 months.
- You can find out more information on handling CONTOPP® DSR 2 from our safety data sheets.

Standards and testing regulations

- BS EN 13139: Aggregates for mortar
- BS EN 197-1: Cement
- DIN 18560: Screeds used in construction.
- BEB (2011): Working instructions for CM measurement

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.

Valid from 07/24

GENERAL INFORMATION