

OTTOFLEX® Slurry seal coating

The heavy-duty composite sealing

Highly polymer-modified cementitious coating

For indoor and outdoor application

OFDS

Characteristics

- ▶ 1-component, flexible composite sealing - quick-curing
- ▶ Crack-bridging
- ▶ Easy to use
- ▶ Crack-free curing
- ▶ Watertight and permeable to vapour diffusion after curing
- ▶ Resistant to frost and aging after setting
- ▶ Complies with building material class B2 "normally inflammable" in accordance with DIN 4102-1

Fields of application

- ▶ For application in interior and exterior areas
- ▶ Flexible composite sealing under ceramic coverings and natural stone in moisture-prone rooms and wet rooms
- ▶ Flexible composite sealing under ceramic coverings and natural stone on balconies, terraces and arcades (not above used rooms) with a gradient $\geq 1.5\%$
- ▶ Construction waterproofing of components which have contact with the earth to protect against ground moisture and non-oppressive water, such as exterior cellar walls and supporting walls
- ▶ For sealing swimming pools and solid water containers for the interior and the exterior, authorised for a water depth of up to 4 m
- ▶ Suitable for substrates which are sufficiently stable such as gypsum plasterboard, gypsum fibre, screed, heated screed, concrete, masonry, cellular concrete and plasters classified by mortar groups II and III
- ▶ In very wet areas conform to stress categories A and B according to abP

Standards and tests

- ▶ General building inspection certificate - Liquid seal in combination with tiles and board coverings for use as building sealant
- ▶ Complies with the water action categories W0-I, W1-I, W2-I and W3-I for tear class R1-I in accordance with DIN 18534
- ▶ Complies with the water action category W1-B for the tear classes R0-B and R1-B for the container sites S1-B and S2-B in accordance with DIN 18535
- ▶ Conform to the stress categories A and B according to AbP
- ▶ Conform to the moisture resistance classes A0 and B0 according to ZDB information sheet
- ▶ Based on the inspections for awarding an AbP in accordance with PG-AIV-F and the resulting areas of application, the following stress categories can be assigned from the ÖNORM B 3407 – W1, W2, W3, W4, W5 (except areas with increased chemical stress) and W6
- ▶ Watertightness tested in accordance with DIN EN 14891, table 1
- ▶ GISCODE ZP1
- ▶ French VOC-emission class A+

Technical properties



Hermann Otto GmbH
Krankenhausstr. 14 | 83413 Fridolfing, Germany
☎ +49 8684 908-0 | ✉ info@otto-chemie.de
www.otto-chemie.com

💡 **Application advice**
☎ +49 8684 908-4300
✉ tae@otto-chemie.de



SEALING & BONDING

Processing time [minutes]	~ 60
Maturing time [minutes]	~ 3
Drying time at 23 °C/50 % RH [hours]	~ 3
Loadable [days]	1
Loadable by water [days]	> 7
Processing temperature from/to [°C]	+ 5 / + 25
Required amount of water (applicable by spatula) [ml/kg]	180
Required amount of water (brushable) [ml/kg]	220
Required amount of water (sprayable) [ml/kg]	260
Consumption of the Slurry Seal Coating per mm thickness of dry layer[kg/m ²]	1,2
Minimum spreading amount [kg/m ²]	2,5
Thickness of wet layer for load class A [mm]	2,5 ¹
Thickness of wet layer for load class B [mm]	3,0 ²
Density in raw state [g/cm ³]	~ 1,5
Adherent tensile strength [N/mm ²]	> 1
Water vapour diffusion resistance number μ	~ 500
Temperature resistance from/to [°C]	- 20 / + 70
Shelf life at 23 °C/50 % RH [months]	6 ³

1) Corresponds with thickness of dry layer of 2 mm. The Slurry Seal Coating has to be applied in two layers.

2) Corresponds with thickness of dry layer of 2,5 mm. The Slurry Seal Coating has to be applied in three layers.

3) from production

These data are not suitable for the issue of specifications. Please contact OTTO-CHEMIE before issuing specifications.

Pretreatment

The substrate has to be firm, absorbent and even as well as free of oil, fat, dust and other interlayers.

The residual moisture must not exceed the following values:

Cement screed: 2 %

Cement screed (heated): 1,8 %

Anhydrite screed: 0,5 %

Anhydrite screed (heated): 0,3 %.

Primer: Absorbent and highly absorbent substrates: OTTOFLEX® primer or OTTOFLEX® deep primer. Dense, non-absorbent substrates: OTTOFLEX® adhesive primer. Cementitious substrates can either be primed before applying the waterproofing or pre-wet with water. The surface should be matte damp. Avoid puddling.

Important information

Suitable for the water action category W1-B for a filling level of up to 4 m (water column).

Sealing surfaces in accordance with W3-I with additional chemical effects must be equipped with chemically resistant sealants (e.g. reaction resins).

Application information

Processing: To avoid clumping while mixing we recommend taking approx. 2/3 of the amount of water necessary for the requested consistency and mix it with a suitable mixing machine with approx. 600 rpm. After the material has dissolved add the rest of the water. After a mixing time of approx. 3 minutes leave the material to mature, then stir again thoroughly. Use the mixed material within one hour. Slightly cured material must not be diluted with water to make it processable again. Apply the Slurry Seal Coating evenly and abundantly with a hard brush, smoothing spatula or a suitable spraying device in 2 to 3 steps. The maximum coating thickness is 5 mm.

Pipe ducts and drains have to be sealed off with OTTOFLEX Floor Sealing Sleeves or OTTOFLEX Flexible Sealing Sleeve, corners with OTTOFLEX Interior and Exterior Corner Tapes and wall to floor connections with OTTOFLEX Sealing Tape. These must be inserted in the first fresh layer and covered with the second.

When laying tiles or slabs in thick-bed procedure following steps must be taken: After applying the Slurry Seal Coating, a spray-on plaster has to be applied in the fresh second layer. Tiles can be laid in thick-bed procedure after the spray-on plaster is fully cured.

If only the floor needs sealing, the sealant must be drawn 5 cm up the wall and be covered with a skirting board.

Wall seals must be at least 20 cm above the highest tap (e.g. shower head).

Clean tool and polluted spots with water immediately after use.

Following procedures: Freshly applied sealing has to be protected against direct solar radiation, very fast water removal, extreme heat influence, draught, frost and rain for at least 3 days. Ceramic tiles can be laid in thin-bed process with commercially available, solvent-free tile adhesives after 24 hours. Ceramic coverings have to be laid free of cavities in exterior areas. Slurry Seal Coatings has to be fully cured (1 to 3 days, depending on temperature and air humidity) before applying any

protection coatings respectively filling with soil. Bear in mind that filling material containing water-absorbent ground must not get in contact with the sealing area. With this kind of soil condition being used, an area of approx. 50 cm in front of the sealing has to be filled with water permeable filling material in layers. The sealing coat must have set (7 days) and be sufficiently protected (gypsum-free trowel plaster, protective panels etc.). Point- or line-shaped stress absolutely has to be avoided. Due to the many possible influences during and after application, the customer always has to carry out trials first. Please observe the recommended shelf life which is printed on the packaging.

Packaging

	20 kg sack
● grey	OFDS-108
Pieces per packaging unit	1
Pieces per pallet	50

Safety precautions

Please observe the material safety data sheet.

Disposal

Information about disposal: Please refer to the material safety data sheet.

Warranty information

The above information and our technical application advice, whether verbal, in writing or by means of tests, are provided to the best of our knowledge, but are non-binding, including with regard to any third-party property rights. The information in this publication does not exempt the processor from carrying out their own tests on our products with regard to their suitability for the intended processes and purposes. The application, use and processing of our products and the products manufactured on the basis of our technical application advice are beyond our control and are therefore the sole responsibility of the processor. If the application for which our products are used is subject to an official authorisation requirement, the user is responsible for obtaining these authorisations. We reserve the right to adapt the product to technical progress and new developments. For the rest, we refer to our General Terms and Conditions, in particular with regard to any liability for defects. You can find our GTC at www.otto-chemie.de.