

PRODUCT DATA SHEET

Casco® FloorFlex Premium

DUST-REDUCED, NORMAL SETTING, POURABLE ADHESIVE FOR FLOOR CERAMIC TILES.



DESCRIPTION

Dust-reduced, normal setting, pourable tile adhesive. Especially suitable for gluing large format of ceramic tiles on floors. Thanks to light fillers, material coverage is approx. 30 % higher, compared to traditional tile adhesive.

USES

Casco® FloorFlex Premium in layers up to 15 mm is suitable for setting of:

- ceramic coverings
- fully vitrified tiles
- clinker tiles
- stoneware tiles
- stoneware mosaic
- earthenware tiles
- natural, artificial and concrete stone slabs not sensitive to discoloration
- natural, artificial and concrete stone slabs not sensitive to deformation
- ceramic tiles on floor
- large format of tiles on floor (> 30 x 30 cm)
- ceramic tiles on heated floors
- ceramic tiles in wet rooms
- ceramic tiles on waterproofing membranes Casco® Wetstop and Casco® Aquastop
- ceramic tiles in indoor areas
- ceramic tiles in outdoor areas (max. 5 mm layer thickness, contact Casco Technical service)

CHARACTERISTICS / ADVANTAGES

- Pourable consistence
- Suitable for large format of ceramic tiles
- Dust reduced
- Very long open time
- Very easy in application
- Contains lightfillers
- Low material consumption/high coverage
- Water and frost resistant
- Suitable on heated floors
- Low in chromate according to REACH

APPROVALS / CERTIFICATES

- C2 E S1 according to EN 12004
- EC1 Plus: very low emission
- M1 emission classification

PRODUCT INFORMATION

Composition	Cement based
Packaging	25,0 kg paper bag
Appearance / Colour	Grey powder
Shelf life	12 months
Storage conditions	In cool, dry conditions. (in closed packaging)
Density	Powder density approx. 1,11 kg/L Mortar density approx. 1,35 kg/L
Maximum Grain Size	0,5 mm
pH-Value	Mortar PH >11,5

TECHNICAL INFORMATION

Temperature Resistance	When completely cured, resistant to temp. from -20 °C to +80 °C
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APPLICATION INFORMATION

Mixing Ratio	25,0 kg powder + 5,75-7,0 l of water (depending on required consistence)
Fresh Mortar Density	approx. 1,35 kg/L
Consumption	Consumption of powder: <ul style="list-style-type: none">▪ 4 mm notched trowel approx. 1,7 kg/m²▪ 6 mm notched trowel approx. 2,0 kg/m²▪ 8 mm notched trowel approx. 2,3 kg/m²▪ 10 mm notched trowel approx. 2,6 kg/m²
Layer Thickness	Up to 15 mm
Ambient Air Temperature	Not below +5 °C
Substrate Temperature	Not below +5 °C
Pot Life	Approx. 3 hours at +20 °C
Open Time	Approx. 30 minutes according to EN 1346 (The open time is subject to temperature and building site condition variations. Therefore check the wetting properties of the applied tile adhesive with the finger.)
Curing Time	Ready for foot traffic and grouting: after approx. 16 hours on absorbent substrates at +20 °C

APPLICATION INSTRUCTIONS

SUBSTRATE AND PREPARATION

normal absorbent substrates

- concrete (at least 3 months old)
- cement screeds

prime with Casco® Primer (1:3)

calcium sulphate substrates

- calcium sulphate screeds
- prime with Casco® Primer (1:1) (drying time at least 24 hours)

non-absorbent substrates

- ceramic coverings (only for indoor and dry areas)
- prime with Casco® Superprimer

REQUIREMENTS OF THE SUBSTRATES

The substrate should be sufficiently sound, loadable, solid and free of dust, dirt, oil, grease and interfering agents. Remove parting and sinter layers by appropriate measures. Old ceramic covering surfaces must be thoroughly cleaned and abraded if necessary. Cement-based screeds (28 days old): ≤ 95 % RH, cement-based screeds (heated): ≤ 75 % RH, calcium sulfate screeds must have residual moisture of ≤ 75 % RH, as heated screeds ≤ 65 % RH. Heated screed temperature must be ≤ 20 °C during the tile setting phase and during the next 24 hours.

Observe country-specific guidelines. Uneven substrates must be smoothed with appropriate Casco® levelling compound as required. Substrates in wet areas must be protected with the appropriate Casco® waterproofing membrane.

RECOMMENDED METHOD OF WORKING

Stir Casco® FloorFlex Premium into cold, clean water (paddle mixer with 600 rpm recommended). Mix water and powder for approx. 1 minute. Let it mature for approx. 2 minutes and re-mix it again. Then the product is ready for use. Choose the appropriate notched trowel considering the tile size, the structure of the tile back and the surface to be tiled. Apply adhesive with a notched trowel. Place tiles firmly in the fresh phase of adhesive with a slight twisting motion to ensure a sufficient wetting, before skinning occurs.

CLEANING OF EQUIPMENT

Clean tools with water immediately after use.

IMPORTANT CONSIDERATIONS

Observe powder/water mixing ratio. Do not mix more material than can be handled within 3 hours. Material that has already been set couldn't be remixed with additional water or powder. For laying mosaic in shower areas front side paper bonded or foil bonded mosaic only is recommended. When using complementary products, please refer to the appropriate/relevant product technical data sheet.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Casco products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request or on the website www.casco.eu.

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PRODUCT DATA SHEET

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