

PRODUCT DATA SHEET

Casco® MultiFix SuperFlex

Professional flexible tile adhesive.



DESCRIPTION

Dust-reduced, normal setting extremely flexible tile adhesive in layer thickness up to 10 mm. Serves as an uncoupling layer. The consistency of tile adhesive is adjustable by different mixing ratio with water according to the required application: pourable consistence for floor tiles and sturdy consistence for the applications on walls.

USES

- For indoor and outdoor use.
- For wall and floor applications.
- For wet rooms.
- For gluing ceramic tiles particularly on "young" screeds, fully vitrified, clinker, stoneware tiles, large format of tiles on wall and floor (> 30 x 30 cm); insensitive to discoloration and deformation natural stones.
- Suitable on floor heating systems.

CHARACTERISTICS / ADVANTAGES

- Variable mixing ratio
- Dust reduced
- Decoupling
- Suitable for large format ceramic tiles
- Suitable on "young" screeds
- Long open time
- Low material consumption
- Water and frost resistant

APPROVALS / CERTIFICATES

- C2 TE S2 according to EN 12004
- EC1 Plus: very low emission
- M1 emission classification

PRODUCT INFORMATION

Composition	Cement-based
Packaging	15 kg
Shelf life	12 months from production date (s. packaging) in an unopened bag. Opened bags should be closed immediately and used up as soon as possible.
Storage conditions	Store in cool, dry conditions.
Appearance and colour	Grey powder
Maximum grain size	0.3 mm
Density	approx. 1.04 kg/L

APPLICATION INFORMATION

Mixing ratio	<ul style="list-style-type: none">For wall application: 15 kg powder + approx. 4,2 l of waterPourable consistency for floor application: 15 kg powder + up to 5,4 l of water
Consumption	<ul style="list-style-type: none">4 mm notched trowel approx. 1,4 kg/m²6 mm notched trowel approx. 1,7 kg/m²8 mm notched trowel approx. 2,2 kg/m²10 mm notched trowel approx. 2,7 kg/m²12 mm notched trowel approx. 3,3 kg/m²
Layer thickness	Up to 10 mm
Substrate temperature	Not below +5 °C, best conditions between +15 °C - +20 °C.
Pot Life	Approx. 60 minutes at +20 °C
Open Time	Approx. 30 minutes according to EN 1346
Curing time	<ul style="list-style-type: none">Ready for foot traffic: after approx. 24 hoursReady for grouting: after approx. 24 hours in interior areas at +20 °C and at least after approx. 48 hours in exterior areas.

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.

IMPORTANT CONSIDERATIONS

Observe powder/water mixing ratio. Do not mix more material than can be handled within 60 minutes. 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.

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.

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

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.

- Gypsum plasters (according EN 13279-1) should have a residual moisture of $\leq 75\%$ RH.
- Cement-based screeds (28 days old) $\leq 85\%$ RH.
- Cement-based screeds (heated) $\leq 75\%$ RH.

- Calcium sulfate screeds must have residual moisture of $\leq 75\%$ RH.
- Floor heating screed $\leq 65\%$ RH.

Heated screed temperature must be $\leq 20^{\circ}\text{C}$ 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 an appropriate Casco waterproofing membrane.

SUBSTRATE QUALITY / PRE-TREATMENT

"Young" cementitious screeds, no primer required

- "Young" cementitious screeds
- concrete floors (at least 28 days old respectively obtain supplementary information).

Normal absorbent substrates, no primer required

- cement screeds cement plaster lime-cement plaster gypsum boards.

Calcium sulphate substrates, prime with Casco® VD Universal Primer (1:1), drying time at least 24 hours

- calcium sulphate screeds gypsum plaster.

Non-absorbent substrates, prime with Casco® VD Super Grip

- ceramic coverings (only for indoor and dry areas).

MIXING

Stir Casco® MultiFix SuperFlex into cold, clean water. A paddle mixer with 600 rpm is 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.

Mixing ratio:

- For wall application 15 kg powder + approx. 4,2 l of water
- Pourable consistency for floor application 15 kg powder + up to 5,4 l of water.

APPLICATION

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.

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.

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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