



A SIKA BRAND

PRODUCT DATA SHEET

Casco® MultiFix SuperFlex

DUST-REDUCED, NORMAL SETTING EXTREMELY FLEXIBLE TILE ADHESIVE WITH VARIABLE MIXING RATIO PROPERTY.



DESCRIPTION

Dust-reduced, normal setting extremely flexible tile adhesive in layer thickness from 1 to 15 mm suitable for gluing ceramic tiles, particularly on "young" cement screeds. Serves as an uncoupling layer. The consistency of tile adhesive is adjustable by different mixing ratio with water according to the required application: pourable consistency for floor tiles and sturdy consistency for the applications on walls.

USES

Casco® MultiFix SuperFlex 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 wall and floor
- large format of tiles on wall and floor (> 30 x 30 cm)
- ceramic tiles on heated floors
- ceramic tiles in wet rooms
- ceramic tiles on "young" screeds
- 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

- Variable mixing ratio
- Suitable for large format of ceramic tiles
- Suitable on "young" screeds
- Decoupling
- Dust reduced
- Long open time
- Very easy in application
- Contains lighfillers
- Low material consumption
- Water and frost resistant
- Suitable on heated floors
- Low in chromate according to REACH

APPROVALS / CERTIFICATES

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

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April 2020, Version 01.01

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PRODUCT INFORMATION

Composition	Cement based
Packaging	15 kg paper bag
Appearance / Colour	Grey powder
Shelf life	12 months
Storage conditions	In cool, dry conditions. (in closed packaging)
Density	approx. 1.04 kg/L
Maximum Grain Size	0.3 mm

TECHNICAL INFORMATION

Temperature Resistance	completely cured from -20 °C to +80 °C
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APPLICATION INFORMATION

Mixing Ratio	<ul style="list-style-type: none">For wall application: 15 kg powder + approx. 4,2 l of waterPourable consistence for floor application: 15 kg powder + approx. 5,4 l of water
Consumption	Consumption of powder: <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 15 mm
Ambient Air Temperature	not below +5 °C
Substrate Temperature	not below +5 °C
Pot Life	Approx. 60 minutes 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: after approx. 24 hours Ready for grouting: after approx. 24 hours in interior areas at +20 °C and at least after approx. 48 hours in exterior areas.

APPLICATION INSTRUCTIONS

SUBSTRATE AND PREPARATION

"Young" cementitious screeds

- "young cementitious screeds"
 - concrete floors (at least 28 days old respectively obtain supplementary information.)
- no primer required

normal absorbent substrates

- cement screeds
 - cement plaster
 - lime-cement plaster
 - gypsum boards
- no primer required

calcium sulphate substrates

- calcium sulphate screeds
 - gypsum plaster
- 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.

Gypsum plasters (according EN 13279-1) should have a residual moisture of $\leq 75\%$ RH and compression strength $\geq 2,5\text{ N/mm}^2$.

Laying on "young cementitious screeds" after subjected to foot traffic up to 5 days after installation. Quality of the screed at least CT-F4 according to EN 13 813. If necessary screed should be covered with a PE foil or primed with Casco® Primer, 1:3 diluted with water, to avoid a quick drying out. Floor heating of the "young" screeds could be started not earlier than after 7 days after tile installation, starting the floor heating at the lowest temperature and increasing it by max. 5°C per day.

Cement-based screeds (28 days old): $\leq 95\%$ RH, cement-based screeds (heated): $\leq 75\%$ RH, calcium sulfate screeds must have residual moisture of $\leq 75\%$ RH, as 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® leveling compound as required. Substrates in wet areas must be protected with an appropriate Casco® membrane.

RECOMMENDED METHOD OF WORKING

Stir Casco® MultiFix SuperFlex 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 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.

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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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