

## PRODUCT DATA SHEET

# Casco® FiberFlow

FIBER REINFORCED LEVELLING COMPOUND FOR THICK LAYERS.



### DESCRIPTION

Fiber reinforced self levelling compound for full surface levelling from 3 - 40 mm with a low shrinkage.

### USES

- For interior and exterior floors.
- For full-surface smoothing and levelling of the sub-floors in residential and commercial areas, schools, offices and hospitals.
- Suitable for application on subfloor heating systems.
- Suitable for slope formation.

### CHARACTERISTICS / ADVANTAGES

- Fiber reinforced
- Low tension/stress
- High level of hardness and strength
- Suitable for castor wheels (>3 mm) according to EN 12 529
- Pumpable

### APPROVALS / CERTIFICATES

- EN 13813: CT-C25-F6
- EC1 Plus: very low emission
- M1 emission classification

### PRODUCT INFORMATION

Composition	Cement based
Packaging	20 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.
Density	1,33 kg/ L of dry powder

### APPLICATION INFORMATION

Mixing ratio	<ul style="list-style-type: none"> <li>▪ 20 kg of powder with approx 3,6 L of cold water,</li> <li>▪ for slope formation reduce the water to approx 3,4 L.</li> </ul>
Consumption	Approx. 1,8 kg / m <sup>2</sup> / mm
Layer thickness	3 - 40 mm
Substrate temperature	Both substrate and leveling compound not below +5 °C, best conditions between +15 °C - +20 °C
Pot Life	Approx. 40 minutes at 20 °C

## Waiting time to overcoating

- Walkable after approx. 4 hours
- Coverable
  - with ceramic tiles after 4 h
  - other coverings and membranes approx. 24 h. ≤10 mm thickness, 1 further day for each extra 10 mm.

## 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.

## 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

Absorbent subfloors should be primed with Casco® Primer/ VD Universal Primer and non-absorbent subfloors with Casco® SuperPrimer/ VD Super Grip. For further information see technical data sheet of the primer.

### SUBSTRATE QUALITY / PRE-TREATMENT

Casco® FiberFlow is suitable on substrates like:

- Concrete
- Cement and rapid cement screeds
- Calcium sulphate-bounded screeds (gypsum)
- Ceramic tiles and natural stone
- Chipboards
- Old substrates with old water-resistant adhesive
- Floor heating systems

### REQUIREMENTS OF SUBSTRATE

- Adequate strength, bearing strength, dimensional stability, and permanent dryness.
- Free of layers which reduce adhesion, e.g., dust, dirt, oil, fat, wax cleaning agents and loose particles.
- Separation layers, sinter layers, and other similar contamination should be removed through sanding, brushing, abrasive blast cleaning, milling or thorough cleaning.
- Old, loose, and weak levelling layers should be removed mechanically.
- When installing floor coverings, the RH of the construction must not exceed 85 %.
- Layers of water-soluble adhesives, e.g., sulphatic adhesives, should be removed completely.
- Old water-resistant adhesives should be mechanically removed as thoroughly as possible.
- Old floors, such as ceramic tiles, are to be thoroughly cleaned and sanded.
- OSB to be grinded intensively.
- Rooms that do not have a cellar underneath must be sealed against rising dampness in compliance with the standard.

- The requirements specified in relevant valid standards, guidelines and specifications must be fulfilled.

### MIXING

20 kg of Casco® FiberFlow / approx 3,6 liter of cold water. For formation of slopes reduce the water to approx 3,4 L.

### APPLICATION

Casco® FiberFlow is suitable:

- For full-surface smoothing and levelling of the subfloors
- In residential, commercial, schools, office and hospitals
- Under textile, ceramic tiles and elastic coverings
- For full-surface levelling under parquet (layer thickness must be at least 3 mm)
- For indoor and exterior floors (for exterior the levelling compound must be covered with membrane and tiles)

The levelling compound must be covered, preferably within 3 days, to prevent cracks.

### RECOMMENDED METHOD OF WORKING

- Using a clean bucket.
- Pour Casco® FiberFlow into cold, clean water and stir to a homogenous mixture (speed mixer is recommended).
- Pour out the levelling compound and spread using a toothed trowel or suitable tool. It is possible to achieve an even surface without difficulties. It is usually not necessary to remove troweling defects or to level more than once.
- In case of thick layers, protect vertical elements with isolating strip.
- If a second layer of levelling compound is to be applied, the first layer should be primed with Casco® Primer/ VD Universal Primer (1:1) when dry. The combined layer thickness must not exceed the given maximum thickness of the levelling compound. The second layer may not exceed the layer thickness of the first.
- Carry out preparatory work such as filling joints, evening out hollow sand unevenness relevant sturdy repair mortar.
- Water-bearing pipes in metal must be sealed to avoid contact with the levelling compound, since for example galvanized steel pipes don't have sufficient corrosion protection.
- Protect curing Casco® FiberFlow from high ambient temperatures, direct sunlight, and draughts.

### CLEANING OF EQUIPMENT

Clean tools with water.

#### PRODUCT DATA SHEET

Casco® FiberFlow

November 2022, Version 04.01

020815030010000415

## 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](http://www.casco.eu).

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CascoFiberFlow-en-SECASCO-(11-2022)-4-1.pdf