

## PRODUCT DATA SHEET

# Casco<sup>®</sup> Floor Expert HL 15

UNIVERSAL HYBRID LEVELLING COMPOUND, 2–15 MM.

### DESCRIPTION

Universal self levelling compound based on Hybrid Active Dry Technology, to be used for levelling and smoothing of substrates under vinyl, textile and PVC coverings as well as loose laying parquet. In layer thickness 2- 15 mm. Ready for covering already after 24 hours. For indoor use only.

### USES

- For levelling and smoothing
- For indoor use only
- Under vinyl, textile and PVC coverings
- Suitable for applications on subfloor heating system
- Suitable for castor wheels ( $\geq 2$  mm)

### FEATURES

- Very smooth application
- Good flow properties in thin layer levelling
- Low tension/stress
- Ready for covering after 24h
- Fast strength development
- Pumpable

### CERTIFICATES AND TEST REPORTS

- EN 13813: CA-C25-F6

### PRODUCT INFORMATION

Composition	Hybrid binder
Packaging	20 kg bag
Shelf life	12 months from production date (s. packaging) in unopened packaging. Opened packaging should be closed immediately and used up as soon as possible.
Storage conditions	Store in cool, dry conditions.
Bulk density	approx. 1,25kg/liter of dry powder.

### APPLICATION INFORMATION

Mixing ratio	20 kg of powder with 4,2 liter of cold water
Consumption	approx. 1,65 kg/m <sup>2</sup> /mm
Layer thickness	2-15 mm
Substrate temperature	Not below +5°C, best conditions between +15°C - +20°C, both substrate and leveling compound.
Pot Life	approx. 30 minutes

## Waiting time

- Walkable after approx. 3 hours
- Coverable after approx. 24 hours  $\leq$  3 mm (23°C, 50% RH)

## 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

### REGULATION (EC) NO 1907/2006 - REACH

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

### SUBSTRATE QUALITY

Casco® Floor Expert HL 15 is suitable on substrates like:

- calcium-sulphate (anhydrite) based screeds
- magnesia screeds
- concrete
- cement screeds
- fast setting screeds
- old substrates such as ceramic coverings, terrazzo and old water stable glue residues
- mastic asphalt screeds according DIN IC 10 and IC 15 according to EN 13813.

### SUBSTRATE PREPARATION

#### Requirements of substrate:

- Adequate strength, bearing strength, dimensional stability and permanent dry.
- 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.
- 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.

### SURFACE PREPARATION

For priming the substrates, use a suitable Casco primer. For further information see the Product Data Sheet of the chosen primer.

### MIXING

20 kg of Casco® Floor Expert HL 15 + 4,2 liter of cold water.

### APPLICATION

- Use a clean bucket.
- Pour Casco® Floor Expert HL 15 into cold, clean water and stir to a homogenous mixture (speed mixer recommended, 600 rpm, 3 min).
- Then pour out the levelling compound and spread using a toothed trowel. It is possible to achieve an even surface without difficulties. It is usually not necessary to remove trowelling 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 levelling compound layer should be primed with VD Universal Primer (1:1) or VD Ready Fix, when dry. The combined layer thickness must not exceed the given maximum layer of the leveling compound. The second layer may not exceed the layer thickness of the first.
- When a complimentary levelling is needed, use e.g. HL 20 S, or EF together with primer VD Universal Primer (1:1) or VD Ready Fix.
- Carry out preparatory work such as filling joints, evening out hollows and unevenness using the sturdy repair mortar EF or HL 20 S.
- Water bearing pipes in metal must be sealed to avoid contact with the leveling compound, since for example galvanized steel pipes don't have sufficient corrosion protection.
- Protect curing Casco® Floor Expert HL 15 from high ambient temperatures, direct sunlight, and draughts.
- The leveling compound must be covered, preferably within 3 days, to prevent cracks.

### APPLICATION METHOD / TOOLS

Steel spatula, toothed trowel or spike roller.

### CLEANING OF EQUIPMENT

Clean tools with water.

## 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.

#### PRODUCT DATA SHEET

Casco® Floor Expert HL 15  
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## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of CASCOFE 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.CASCOFE.eu](http://www.CASCOFE.eu).

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