

## PRODUCT DATA SHEET

# Casco Floor Expert HL 10

RAPID SETTING, SELF LEVELLING HYBRID FLOOR LEVELLING COMPOUND WITH HYBRID ACTIVE DRY TECHNOLOGY. READY FOR COVERING ALREADY AFTER 6 HOURS.



### DESCRIPTION

Rapid setting, self levelling hybrid floor levelling compound with Hybrid Active Dry Technology, combining fast drying and low shrinkage. For layer thicknesses 1-10 mm. Ready for covering already after 6 hours. For indoor use only.

### USES

- Self levelling.
- Layer thicknesses 1-10 mm.
- For indoor use only.
- For pumping application.

### CHARACTERISTICS / ADVANTAGES

- High level of hardness and strength
- Very smooth application
- Ready for covering from 6h (see tabel below)
- Fast strength development
- Pumpable
- Dust reduced

### APPROVALS / CERTIFICATES

EN 13813: CA-C35-F7

### PRODUCT INFORMATION

<b>Composition</b>	Hybrid binder
<b>Packaging</b>	25 kg bag
<b>Shelf life</b>	Storage life 12 month (in closed packaging).
<b>Storage conditions</b>	Store in cool, dry conditions.
<b>Bulk Density</b>	1,13 kg/liter of dry powder
<b>Consumption</b>	approx. 1,6 kg/m <sup>2</sup> /mm
<b>Layer Thickness</b>	1 - 10 mm
<b>Substrate Temperature</b>	Both substrate and levelling compound: Not below +5 °C, best conditions between +15 °C - +20 °C
<b>Pot Life</b>	approx. 30 minutes
<b>Waiting Time / Overcoating</b>	Walkable: approx. 2 hours Coverable: 1-5 mm: 6 hours for resilient coverings. 5-10 mm: 12 hours for resilient coverings. 1-10 mm: 24 hours for parquet

## MIXING

25 kg of HL 10 / 5,5 liter of cold water

## APPLICATION

HL 10 is suitable for filling, smoothing, evening and levelling of substrates:

- For full-surface smoothing and leveling of the sub floors.
- In residential, commercial, schools, office and hospitals
- Under textile and elastic coverings
- For full-surface levelling under parquet (layer thickness must be at least 3 mm)
- For indoor use only.
- The levelling compound must be covered, preferably within 3 days, to prevent cracks.

## Priming

For priming the substrates, use suitable Casco Floor Expert primer. For further information see technical data sheet of the primer.

## Recommended method of working

- Using a clean bucket.
- Carry out preparatory work such as filling joints, evening out hollows and unevenness using the sturdy repair mortar EF.
- Waterbearing 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 HL 10 from high ambient temperatures, direct sunlight and draughts.
- In case of thick layers, protect vertical elements with isolating strip.
- Pour HL 10 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.
- If a second layer of levelling compound is to be applied, the first levelling compound layer should be primed with VD (1:1) or VD FIX, when dry. The combined layer thickness, must not exceed the given maximum layer of the levelling compound. The second layer may not exceed the layer thickness of the first.
- When a complimentary levelling is needed, use AST directly on the HL 10 (no priming is needed), or EF together with primer VD (1:1).
- Clean tools with water.

## 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 %. If grinding of HL10 is necessary use paper or net with grit-size  $\geq 80$ , grinding has to be done thoroughly before full gluing of wooden floors. Layers of water-soluble adhesives, e.g. sulphite adhesives, should be removed completely. 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 to be sealed against rising dampness in compliance with the standard.
- The requirements specified in relevant valid standards, guidelines and specifications must be fulfilled.

## SUBSTRATE QUALITY

### Substrates

HL 10 is suitable on substrates like:

- Concrete
- Cement and rapid cement screeds
- Calcium sulphate based screeds
- Mastic asphalt screeds (sanded) IC 10 and IC 15 according to EN 13 813
- Old substrates with old water-resistant adhesive residues
- Old substrates such as ceramic tiles, natural stones and terrazzo
- Particle boards
- Calcium sulphate based screeds
- Wooden substrates

## 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.

### PRODUCT DATA SHEET

Casco Floor Expert HL 10  
March 2020, Version 02.01  
02081503012000007

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

### **Sika Sverige AB**

Domnarvsgatan 15  
Box 8061  
SE- 163 08 Spånga Sweden  
TEL: +46 8 621 89 00  
[info@se.sika.com](mailto:info@se.sika.com)  
[www.casco.eu](http://www.casco.eu)

### **PRODUCT DATA SHEET**

Casco Floor Expert HL 10  
March 2020, Version 02.01  
020815030120000007