

PRODUCT DATA SHEET

Casco® Floor Expert HL 20 S

STURDY, FAST SETTING, HYBRID REPAIR LEVELLING COMPOUND.



DESCRIPTION

Fine grained, fast setting hybrid-based sturdy morat for levelling, repairs and smoothing. For interior use on floors and walls. Suitable for castor wheels loading with layer-thickness >1,0mm (EN 12 529). For most cement- and plaster-based substates. Also wooden substates like chipboard and OSB.

USES

- For indoor use only.
- For filling, smoothing and evening.
- Repairing floors and walls.
- Under textile and elastic coverings.
- 1-20mm without aggregates.
- Up to 40mm with aggregates.

CHARACTERISTICS / ADVANTAGES

- Very smooth application
- Ready for covering after 4h
- Fast strength development
- Low tension / stress
- Suitable for application on subfloor heating systems
- Low consumption
- Suitable for caster wheels loading with layer-thickness >1,0mm according to EN 12 529

APPROVALS / CERTIFICATES

- EN 13813: CA-C35-F7
- EC1 Plus for low emission

PRODUCT INFORMATION

Composition	Hybrid binder
Packaging	20kg 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.

APPLICATION INFORMATION

Mixing ratio	20 kg of powder with 5 liters of cold clean water
Consumption	approx. 1,4 kg/m ² /mm
Layer thickness	1 - 20 mm without aggregates and 20 - 40 mm with aggregates
Substrate temperature	Not below +5°C, best conditions between +15°C - +20°C, both substrate and levelling compound.

Waiting time

- Walkable after approx. 30 minutes
- Coverable after approx. 4 hours

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 20 S 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
- Wooden substrates like Chipboard and OSB

SUBSTRATE PREPARATION

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

The requirements specified in relevant valid stand-

ards, guidelines and specifications must be fulfilled.

MIXING

- **1 - 20mm** layer thickness: 20 kg of Casco® Floor Expert HL 20 S / 5 liter of cold water.
- **20 - 40mm** layer thickness: mix as above and then add approx. 20kg clean screed sand, 0-8mm grain size.

APPLICATION

- Use a clean bucket.
- Do not mix more material than you can handle within 15 minutes.
- 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® Floor Expert HL 20 S from high ambient temperatures, direct sunlight, and draughts.
- In case of thick layers, protect vertical elements with isolating strip.
- Pour Casco® Floor Expert HL 20 S 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 trowel and spatula. It is possible to achieve an even surface without difficulties.
- 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 levelling compound. The second layer may not exceed the layer thickness of the first.
- The levelling compound must be covered, preferably within 3 days, to prevent cracks.

APPLICATION METHOD / TOOLS

Steel spatula and trowel.

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.

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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.

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