Technical Data Sheet
Product number 226861

Crete HF 130

High-build PU concrete mortar

Colour	Availability			
	Quantity per pallet			400
	Size / Quantity	**34,1 kg**	**68,2 kg**	**0,5 kg**
	Type of container	Set in carton	Set in carton	Bag
	Container code	34	68	84
	Art. no.			
	6861	■	■	
red	6851			■
green	6852			■
beige	6853			■
ochre	6854			■
grey	6855			■

Note:
For each of the two set articles, please order **Crete Color Paste** separately under its own article number! (red: 685184, green: 685284, beige: 685384, ochre: 685484, grey: 685584)
34.6 kg unit: 1 x 686134 + 0.5 kg Crete Color Paste
69.2 kg unit: 1 x 686168 + 2 x 0.5 kg Crete Color Paste

Application rate

See application examples

Range of use

- Mortar coating for areas subject to high chemical, thermal and mechanical loads

Property profile

- High chemical resistance
- High mechanical resistance
- Water vapour diffusion capable
- Thermal resistance up to 130 °C
- Thermal shock load up to 180 °C (depending on system)

Characteristic data of the product

Density (20 °C)	2.04 g/cm³ (4-component mixture)

The values stated represent typical characteristic data of the product and are not to be understood as binding product specifications.

Additional information

- **Farbtonkarte Crete HF 130**

Possible system products

- **Crete TF 60 (226867)**
- **Crete FP (226860)**
- **Crete ACC (6542)**

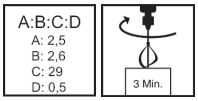
Preparation

- **Substrate requirements**

Only concrete screeds and bonded screeds primed with Crete TF 60 or Crete FP are permitted substrates. The substrate must be load-bearing, dimensionally stable, solid, free of loose parts, dust, oils, grease, rubber marks and any other substances that could interfere with adhesion. It must be primed so as to remove all surface pores.
The tensile strength of the surface of the substrate must be at least 1.5 N/mm² on average (smallest individual value of at least 1.0 N/mm²), and the compressive strength must be at least 25 N/mm².

Concrete	max. 6 m% moisture
Cement screed	max. 6 m% moisture

Production of the mixture



Mixing
Add all of the colour paste (component D) to component A.
Add all of the hardener (component B) to the base compound (components A and D).
Mix thoroughly with a slow-speed electric mixer
(approx. 300 - 400 rpm).
Insufficient mixing is indicated by streaks forming.
When the mixture is ready, pour it into into a compulsory mixer using a side scraper shovel.
Add component C immediately **while stirring** and mix the compound for 3 minutes.
The mixing times must be strictly observed (timer).

Mixing ratio	2.5 : 2.6 : 29 : 0.5 parts by weight

Directly after production of the mixture, pour onto the prepared surface and spread using suitable tools.

Directions

For professional users only!

Conditions for use
Temperature of the air and substrate: min. +10 °C to max. +20 °C.
Temperature of the material: +15 °C to +20 °C.
After application, protect the surface for at least 48 hours from exposure to water and moisture.
Relative humidity should not exceed 80%.
The temperature of the substrate must be at least 3 °C above the dew point temperature during application and curing.

Working time (+20 °C)
max. 10 minutes (including smoothing)

As a general principle, higher temperatures will reduce and lower temperatures will increase the times stated.

Application examples

Coating
Using a suitable gauge rake, immediately distribute the material evenly. Then, without waiting, use a trowel or scraper to level off the material again.

Application rate	18 - 24 kg/m²

Notes

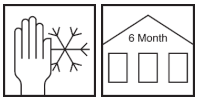
Unless otherwise specified, all of the values and application rates given above have been determined under laboratory conditions (20 °C) using standard colours. Slight deviations from these values may arise if the product is worked with on site.
When coating continuous surfaces, only use materials with the same batch number as slight differences in colour, gloss and texture may occur.
To delimit the coated surface, sufficient anchoring cuts must be made (width and depth of the cuts is twice the thickness of the coating system).
When levelling off the material, make sure that a pore-free surface is produced.
The resulting surface texture is strongly influenced by the conditions on site and the application method. Therefore, surface texture is not covered by product liability.
PU concretes in general are functional floor coverings with low requirements with regard to appearance and are generally not colour-fast.
Even if the flooring is correctly installed, differences in colour, marks made during application, streaking and slight formation of pools cannot be excluded.
Due to the short reaction time, the coating operation must be well planned and prepared.
Low thickness and low temperature can affect the visual effect of the finished surface.
Abrasive mechanical loads leave traces of wear.
Exposure to vehicles with metal or polyamide tyres as well as dynamic concentrated loads can cause faster wearing of the coating.
In case of repairs on the surface or working up to existing surfaces, there will be a visible transition in appearance and texture.
The resistance to chemical substances must be assessed with regard to the temperature of the medium (see chemical resistance list).
Further notes on working, system construction and maintenance of the listed products can be found in the latest Technical Data Sheets and the Remmers system recommendations.

Tools / Cleaning

Gauge rake, trowel, scraper, mixer, compulsory mixer if necessary

More detailed information can be found in the Remmers Tool Programme.
Clean tools, equipment and splashed material immediately while fresh with V 101.
Take suitable protective and waste disposal measures when cleaning.

Storage / Shelf life



If stored in unopened original containers in a cool, dry place and protected from frost, at least 6 months for component A, at least 12 months for component B and C and at least 18 months for component D.

Safety data / Regulations

For professional users only!

Further information concerning safety during transport, storage and handling as well as on disposal and ecology can be found in the latest Safety Data Sheet.

Disposal

Larger quantities of leftover product should be disposed of in the original containers in accordance with the applicable regulations. Completely empty, clean containers should be recycled. Do not dispose of together with household waste. Do not allow to enter the sewage system. Do not empty into drains.

VOC content as per the "Decopaint" Directive (2004/42/EC)

EU limit value for the product (cat A/j): max. 140 g/l (2010).
This product contains < 140 g/l VOC.

Declaration of performance

› **Declaration of performance**

Declaration of conformity

CE UKCA

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1 & 2 Garden Suites, Coleshill Manor Campus, Birmingham B46 1DL (GB)

19 (CE); 21 (UKCA)
GBIII 143_2
EN 13813:2002
226861

Synthetic resin screed for use internally in buildings

Reaction to fire:	E_{fl}
Release of corrosive substances:	SR
Wear resistance:	≤ AR 0.5
Bond strength:	≥ B 1.5
Impact resistance:	≥ IR 4