

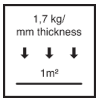
WP Flow

Water-impermeable floor levelling compound for interior waterproofing

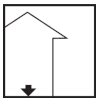
	Availability	
	Quantity per pallet	42
	Size / Quantity	**25 kg**
	Type of container	PE bag
	Container code	25
	Art. no.	
	0431	■

Application rate

Approx. 1.7 kg/m²/mm layer thickness



Range of use



- Mineral substrates
- Waterproofing, self-flowing flooring compound
- Floor renovation in conjunction with very low installation height
- Interior waterproofing and levelling of basement floors

Property profile

- Self-flowing
- Fast curing
- Low-stress and crack-free setting
- Water-impermeable, water-tight from 10 mm dry layer thickness
- Compression- and wear-resistant
- Can be applied by pump using suitable machine technology

Characteristic data of the product

Water requirement	Approx. 5.0 - 5.5 l / 25 kg
Böhme abrasion resistance	A15
Flow spread	Approx. 140 mm (DIN EN 12706)
Layer thickness	Single layer 5 - 30 mm
Bulk density	1.3 kg/l
Area of application	Load class 1 “pressing water” as per WTA Code of Practice 4-6 “Subsequent waterproofing of components with ground contact”, table 7 (0.3 bar water pressure), minimum dry layer thickness: ≥ 10 mm
Foot traffic	After approx. 4 hours (23 °C, 50 % RH)
Compressive strength (28 d)	≥ 30.0 N/mm²
Flexural tensile strength (28 days)	≥ 7.0 N/mm²
Hardened mortar bulk density	1.84 kg/dm³
Adhesive pull strength	> 1.5 N/mm²

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

Additional information

› **Sustainability Data Sheet**

Possible system products

› **WP Sulfatex rapid (0429)**
› **WP Sulfatex (0430)**

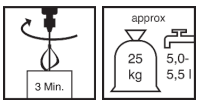
- **WP DS Levell (0426)**
- **WP RH rapid (1010)**
- **PU Color FS 1K (6310)**
- **Epoxy BS 2000 NEW (6012)**
- **Epoxy BS 2000 Fast (6934)**
- **Epoxy BS 3000 SG (6380)**
- **Epoxy BS 3000 M (6370)**

Preparation

Substrate requirements
Clean, dust-free and capable of supporting a load.
The adhesive pull strength of the substrate must be at least 0.8 N/mm².

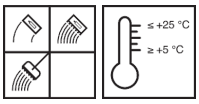
Substrate preparation
Prime cement-based, absorbent, mineral substrates with Primer Hydro LC.
Prime non-absorbent or weakly absorbent substrates (e.g. old ceramic coverings) with Primer Hydro LC.
Existing expansion, movement and edge joints should be incorporated. If necessary, apply suitable edge insulation strips to rising components.
Prepare damp wall connection areas as per WTA Code of Practice 4-6 "Subsequent waterproofing of components with ground contact". Seal existing cracks using suitable injection resin. Seal leaks and water ingress with WP RH rapid.

Production of the mixture



Mixing
Required water quantity: approx. 5.0 - 5.5 l water for 25 kg product
Pour water into a clean container and add dry mortar.
Use a mixing tool to mix intensively and homogeneously for approx. 3 minutes until a workable, clump-free consistency is achieved.
In case of mechanical application, determine the spreading rate according to DIN EN 12706, do not over-water the product!

Directions



Conditions for use
Temperature of the material, air and substrate: from min. +5 °C to max. +25 °C.
Low temperatures increase, while high temperatures decrease the working and setting time.

Working time (+20 °C)
Approx. 30 minutes

Application in one layer
After mixing, pour out the material and spread quickly with a scraper/trowel, then roll with a spiked roller. Avoid streaks and seams.
Application in two layers
See application in one layer. Apply second layer within 24 hours. Minimum thickness of second layer > 10 mm.

Tips on use

Once it has hardened, mortar must not be made workable again by adding either water or more wet mortar.
Protect fresh mortar surfaces from drying out too quickly (draughts, wind, direct sunlight), rain and frost.
If necessary, fill individual, deeper defects beforehand with suitable products.
When applying in two layers, the existing first layer must be checked again for suitability; if necessary, remove any separating layers and sintered layers.

Notes

The mixing water must be of drinking water quality.
Low chromate content in accordance with Directive 2003/53/EC.
The characteristic data of the product were calculated under laboratory conditions at 20°C and 65% relative humidity.
Joints must be created in the area around doorways and if structurally necessary. Before applying WP Flow, seal joint areas and doorways with WP Sulfatex or WP Sulfatex rapid over a width of 30 cm across the centre of the joint.

Tools / Cleaning

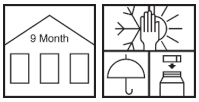


Mixing tool, bucket for transporting/pouring, scraper, spiked roller
Clean tools with water while the material is still fresh.
Any material that has already begun to dry can only be removed mechanically.

Remmers tools

- **Collomix Rührer DLX 152 HF (4286)**
- **Remmers Quirlex (4282)**
- **Estrich-Rakel (4568)**
- **Spiked Roller (v5055)**
- **Spiked Shoes (4010)**

Storage / Shelf life



If stored unopened in its original container in a cool, dry place and protected against frost, the product will keep for 9 months.

Safety data / Regulations

For further information on the safety aspects of transporting, storing and handling the product and on disposal and environmental matters, please see the current Safety Data Sheet.

Disposal

Larger product residues must be disposed of in the original packaging in accordance with the applicable regulations. Must not be disposed of with household waste. Avoid product release, e.g. through dust, during use. Completely empty packaging must be recycled.

Declaration of performance

› **Declaration of performance**

Declaration of conformity

CE UKCA

Remmers GmbH (CE)
Bernhard-Remmers-Str. 13, D – 49624 Löningen
Remmers (UK) Limited (UKCA)
1&2 Garden Suites, Coleshill Manor Campus, Birmingham B46 1DL (GB)

22 (CE); 22 (UKCA)
GBI-P 150-1
0431

Performance according to EN 13813: CT – C30 – F7 - A15

Cementitious screed material for use internally in buildings

Reaction to fire class:	E
Release of corrosive substances:	CT
Compressive strength:	C30
Flexural strength:	F7
Wear resistance:	A15
Water vapour diffusion resistance (μ):	200

Performance according to EN 1504-3: 2005

For applications with low performance requirements in construction and civil engineering

Compressive strength class:	R3
Chloride ion content:	≤ 0.01%
Adhesive bond:	≥ 2.0 MPa
Thermal compatibility:	≥ 2.0 MPa
Capillary absorption:	≤ 0.5 kg/(m²*h$^{0.5}$)
Reaction to fire class:	E

Please note that the data and information given above have been calculated as guidelines in the laboratory and from real-life experience and are therefore not binding as a basic principle.

This information is therefore of a general nature only and describes our products and how they are used and worked with. In this respect, it must be borne in mind that the varied and diverse nature of the prevailing working conditions, materials used and construction sites encountered means that not every individual case can be covered. In this respect, we therefore recommend either conducting tests or liaising with us in the event of any doubt. Unless we have provided express written assurance of the products' specific suitability or characteristics in respect of a contractually stipulated intended use, any technical application-related advice or instruction will never be binding, even though it is provided to the best of our knowledge In all other respects, our general terms and conditions of sale and delivery shall apply.

When a new version of this Technical Data Sheet is published, it shall replace the previous version.