

## weber BaseGuard

Reactive 2-comp. waterproofing coating

Highly flexible, reactive, quick-setting, bitumen-free 2-comp. thick-layer waterproofing coating and flexible slurry for waterproofing of basements and facade socket parts.



### Product profile

- Universal waterproofing of basements and facade socket parts
- Waterproofing of floor-flush windows
- Insulation board adhesive

### Product advantages

- Quick-setting
- Highly flexible & crack-bridging
- Resistant to pressure water

### Product description

**Weber BaseGuard** is a 2-component, fast-setting, highly flexible, bitumen-free thick coating (FPD). Fulfils the test requirements according to PG- MDS/FPD/ FBB-T.1. With general building authority test certificates.

### Fields of application

- For external waterproofing of basement walls below ground level in new and old buildings.
- For waterproofing of facade socket areas as well as floor-flush window and door connection profiles.
- As a horizontal damp-proof course in walls or under ascending walls.
- For retrospective internal waterproofing of earth-contacting basements walls (with negative water pressure).
- For spot-bonding and full surface-bonding of rigid-foam polystyrene boards below ground level.

### Product features

- Fulfils the test requirements for Flexible polymermodified thick-layer waterproofing coatings (FPD)
- EMICODE EC 1 PLUS: very low emission of volatile substances
- High dry residue approx. 95%
- 1.05 mm fresh layer thickness (corresponds to approx. 1.25 kg/m<sup>2</sup>) results in approx. 1 mm dry layer
- For all mineral substrates, does not require a render layer on masonry
- Can be covered with render or paint / resistant to frost and UV rays
- Multi-use: external and internal waterproofing / waterproofing of horizontal and vertical surfaces / waterproofing of socket areas of facades / horizontal damp-course under ascending walls / levelling layer and bondcoat in one product
- Allows waterproofing of external basement walls and facade socket areas in one operation
- Sprayable with peristaltic pump technology and screw pump technology, e.g Wagner PC 1030 with air support

### Consumption / yield

<b>As a flexible thick-layer coating (FPD):</b> W1-E: ground damp and non-pressure water	at least 3.8 kg/m <sup>2</sup>	dry layer thickness ≥ 3 mm
<b>As a flexible thick coating (FPD):</b> W2.1-E: Pressure water ≤ 3 m immersion depth	min. 5.0 kg/m <sup>2</sup>	dry layer thickness ≥ 4 mm
<b>As a flexible thick-layer coating (FPD):</b> W3-E: non-pressure water (earth-contacting concrete ceilings)	min. 5.0 kg/m <sup>2</sup>	dry layer thickness ≥ 4 mm
<b>As a flexible thick-layer coating (FPD):</b> internal waterproofing of water tanks in case of water loads W1-B to W2-B	min. 3.2 kg/m <sup>2</sup>	dry layer thickness ≥ 2.5 mm
<b>As external flexible slurry (MDS):</b> W1-E: Rising damp and non-pressure water	at least 2.5 kg/m <sup>2</sup>	dry layer thickness ≥ 2 mm
<b>As an external flexible slurry (MDS):</b> W2.1-E: pressure water ≤ 3 m immersion depth	at least 3.2 kg/m <sup>2</sup>	dry layer thickness ≥ 2.5 mm

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<b>As an external flexible slurry (MDS):</b> W4-E: splash water (socket parts of facades) and capillary water in and under ascending walls	at least 2.5 kg/m <sup>2</sup>	dry layer thickness ≥ 2 mm
<b>Bondcoat/contact layer on old bitumen layers</b>	approx. 0.7 kg/m <sup>2</sup>	
<b>As an internal flexible slurry (MDS):</b> internal waterproofing in case of rising damp and non-pressure water	at least 2.5 kg/m <sup>2</sup>	dry layer thickness ≥ 2 mm
As internal flexible slurry (MDS): internal waterproofing in case of pressure water	at least 3.8 kg/m <sup>2</sup>	dry layer thickness ≥ 3 mm
<b>As spot glue for insulation boards</b> in case of W1-E	approx. 2.2 kg/m <sup>2</sup>	
<b>As a full-surface glue for insulation boards</b> in the case of W2.1-E	approx. 4.5 kg/m <sup>2</sup>	

## Technical values

Application temperature	5 - 30 °C
Application time	approx. 45 minutes
density	approx. 1.2 kg/dm <sup>3</sup>
Dry residue	approx. 95 %
Mixing ratio	1:1 (A:B)
Application tool	Bricklayer's tassel, Smoothing trowel, Spraying machine
Consistency	slurryable, brush-grade, trowel-grade, spray-grade
Compressive strength (EN 15814)	> 0.3 MN/m <sup>2</sup> (class C2A)
Crack bridging	≥ 2 mm (crack-bridging class R3-E)
Resistance to rain	approx. 4 hours* for a 4 mm-thick-layer
Delay for over-working (with next products)	approx. 2 - 3 hours*
Delay for bonding insulation boards	approx. 6 - 8 hours*
Full drying time	approx. 12 hours* with 3 mm dry layer thickness
Clean-up	water (fresh product)
Composition	polymer dispersion, cement, silica sands, lightweight fillers, additives

\*at +23°C and 50% relative humidity rate

## Storage

Shelf life	min. 12 months
Storage conditions	Dry, cool, frost-free, protected from sunlight, indoors, in the original sealed container

## Application

### Surface preparation

- The substrate must be frost-free, solid, clean, sufficiently dry, free of tar, oil, grease, honeycombs, protruding parts, cracks and all other dirty substances.
- Remove all water-repellent and adhesion-impairing particles, round the external angles between concrete slab and basement walls in groove form beforehand.  
Close joints and recesses > 5 mm with the watertight patching mortar **weber.tec 933** up to max. 10 mm thickness, using a flat trowel.
- Apply the mortar as groove mortar mixed in trowel consistency in a radius of approx. 5 cm with the preformed rounded trowel "big size" (250 x 150 mm) weber.sys Hohlkehlschlitten on the fresh bondcoat.

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### Application

#### Primer:

– **weber.prim 900** undiluted up to 1 : 1 part by weight diluted with water. After drying, apply the scratch coat, followed by the coating.

#### Mixing process:

– Mixing ratio: A + B component 1 : 1 parts by weight. Mix material without lumps.  
– The mixing time is approx. 2 minutes. Mixing equipment: Powerful drill with stirring tool - basket stirrer.

#### Scratch coat:

– To close pores and voids as well as open butt joints up to 5 mm wide, apply a full-surface scratch coat of **weber BaseGuard**, uncut or cut with **weber.sys hard quartz** 0.1 to 0.3 mm (mixing ratio 3 : 1 according to room sections). The scratch coat must not be damaged by the subsequent waterproofing application.

#### Waterproofing of earth-contacting vertical surfaces:

– Application is applied out in at least 2 coats. The 2nd waterproofing layer should be applied as early as possible when the first application layer is no longer damaged.  
– In the case of ground damp / non-pressure water (W1-E), both layers should be applied "wet-in-wet".  
– In case of non-pressure water on earth-contacting concrete ceilings (W3-E) and pressure water (W2.1-E) lay the woven fiberglass mesh **weber.sys 981** onto the fresh first layer.

#### Waterproofing of horizontal surfaces:

– In case of waterproofing of concrete slab against ground damp and non-pressure water (W1-E) apply weber BaseGuard onto the concrete slab uniformly and at full-coverage in 2 layers after the primer and/or scratch layer has sufficiently dried. After full drying of the waterproofing layers lay 2 PE foils as protection layer/gliding layers, and afterwards install the floating screed on the PE foil.  
In case of pressure water (W2.1-E) the waterproofing system should be applied onto the lean concrete (i.e. beneath the floor concrete slab). Lay the woven fiberglass mesh **weber.sys 981** onto the fresh 1st first layer.

### General notes

In case of pressure water steel-reinforced concrete must satisfy the national standards (e.g. EN 206 or EN 1045); if not issued and if necessary, request technical advice.

In case of strong sunlight, take appropriate precautions, e.g. shading.

The protective and insulation boards are bonded with **weber BaseGuard** and the excavation pit is filled only after setting and drying.

To protect the waterproofing, we recommend our **weber.sys 983** drainage/protection mat.

Comply with the national standards and/or guidelines; if not issued, and if requested, refer to the norm DIN 18533 ("Waterproofing of Ground-contacting Building Structures"), the "Guideline for Planning and Execution of Waterproofing Works with Polymer-Modified Bitumen Coatings (PMBC)" issued by the German Construction Chemicals Association, the "Guideline for Planning and Execution of Waterproofing of Ground-contacting Building Structures with Flexible Polymer-Modified Thick-Layer Waterproofing Coatings (FDP)" issued by the German Construction Chemicals Association, and the WTA leaflet 4-6 "Retrospective Waterproofing of Ground-contacting Structures" (WTA = International Association for Science and Technology of Building Maintenance and Monuments Preservation). In case of doubt, request technical advice.

Application time, rain resistance, reworkability and full-drying refer to a temperature of + 23° C without draughts and a relative humidity of 50%.

Follow the guideline relating to waterproofing works of water-impermeable concrete structures (working joints and butt joints between pre-cast concrete wall elements and connection area between the water-impermeable concrete floor slab and wall elements); if not issued, request technical advice.

When completely dry, the waterproofing can be painted with weber.ton facade paints, preferably silicone resin paints, **weber. ton 411**, or silicate paints, **weber.ton 414**.

If a render is planned on top of **weber BaseGuard** on the external socket parts of facades, apply a bonding layer with the quick-setting stipple coat **weber.san 951 S** on the whole surface of the fully dry last waterproofing layer.

**Weber BaseGuard** is subject to continuous quality control.

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### Special notes

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Do not mix with other substances during mixing and application.

Due to the raw material, slight colour variations in the mixed material cannot be completely ruled out. These colour variations have no influence on the technical properties and do not constitute a quality defect.

Observe additional instructions for the application of **weber BaseGuard**.

Depending on the weathering conditions and application technique, slight colour changes cannot be ruled out.

The consumption for filling and scratch levelling as well as additional consumption due to processing-related fluctuations of approx. 1 - 1.5 kg/m<sup>2</sup> must be calculated separately.

The product group "FPD" is currently not yet included in DIN 18533, the proof of usability is provided by so-called "AbP" - general building authority test certificates.

Deviations from DIN 18533 must always be contractually agreed. Observe the national standards.

### Packaging units

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Type	Unit	PU
2-component package	24 kilogram	18 multiple buckets / palett