

weber.ad 785

Polymer dispersion

Multi-use dispersion as bonding layer and as admixture for mortars, renders and screeds

Fields of application

As a primer or bonding layer (stipple coat) for enhancing the bonding strength of renders, screed mortars and tile adhesives on smooth substrates, e.g renders on brickwork, screeds on concrete. For improving the properties of thick-and medium bed tile adhesives.

Also for the provision of dust-free bonded screeds and wear-resistant smooth floor screeds (top-pings).

For increasing the watertightness of renders and mortars as well as the flexibility and the chemical resistance of mortars.

Furthermore, for improving the properties of the 1-comp. normal-setting waterproofing slurry weber.tec 930.

For use indoors and outdoors.

Description

weber.ad 785 is a water-based, plasticizer-free plastic dispersion.

Composition

Styrene-butadiene

Main features

- improves adhesion of pre-said materials on a wide range of low-porosity substrates
- better water retention, hence reducing drying out too quickly
- increases the bending tensile strength
- plasticizing effect
- avoids dusting
- improves the water impermeability of mortars
- increases the chemical resistance of mortars

- increases the flexibility of mortars
- improves the qualities of the cement-based waterproofing slurry weber.tec 930 in fresh and dry state, for ex. better workability, lower crack tendency etc.
- for use indoors and outdoors

Technical values

Application temperature:	+5°C - +30°C
Density:	approx. 1 g/cm ³
Consistency:	liquid
Dry active substance:	approx. 46%

Quality control

weber.ad 785 is subject to a regular quality control.

General notes

- The improved mortars are open to light traffic after 2 days and to full traffic after 25-28 days.
 - Only use washed and loam-free sand; its grain size must not exceed half the layer thick-ness to be applied in each case.
 - Clean mixing equipment and tools with water (fresh product). Hardened material can only be removed mechanically.
 - The frozen material weber.ad 785 can be used after thawing at room temperature.
 - For further applications beyond the scope of this data sheet, request our technical advice.
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Substrate preparation

- The substrate must be clean, and free of oil and grease.
- Remove all loose and adhesion-impairing particles and substances.
- Chisel out areas with minor resistance and those with deeper soiling.
- Always pre-wet the substrate, avoiding the formation of puddles.
- The substrate preparation must be adapted to the specific job site conditions.

Working instructions

Primer

- Mix a cement slurry consisting of 0.75 part by volume weber.ad 785 and 1 part by volume cement and brush thoroughly with a hard broom onto the substrate

Stipple coat

- Mix a dry mixture of cement and sand (grain size up to 4 mm) into the gauging liquid consisting of weber.ad 785 and water (in a ratio of 1 : 2 up to 1 : 4 parts by volume) and adjust to spray-grade or brush-grade consistency.
- Apply the stipple coat onto the prepared substrate net-like on half-surface either using the throw-on technique with a triangular hawk trowel or an open hopper spray, or as slurry coat with a hard broom or a brush. Do not smooth and leave the coat rough.
- For subsequent application of mortars or tile adhesives respect a drying time of max. 2 days after application. Do not pre-wet again

Renders

- Renders can be applied either "wet-in-wet" onto the primer (as described above) or after hardening of the stipple coat.

Dust-free bonded screeds

- First prepare a pour-grade bonding layer consisting of 1 part by volume of weber.ad 785, 2 parts by volume sand and 0.75 part by volume cement.
- Apply the bonding layer net-like on half-surface with a broom.
- Mix the dry aggregates with 10 to 25 % of weber.ad 785 in relation to the cement weight and add water until a good workable consistency is obtained; the consumption will increase by approx. 0.2 kg/m² and per cm thickness for this application.
- Apply the screed "wet-in-wet" onto the bonding layer (as described above).

Improvement of thin- and medium-bed tile adhesives

- The addition of weber.ad 785 to the gauging water will improve their adhesion and flexibility. Mix 1 part by volume weber.ad 785 with 2 parts by volume water.

Increase of water-tightness of renders and screeds

- First a bonding layer consisting of 1 part by volume weber.ad 785 and 0.75 part by volume cement.

- Apply the bondcoat thoroughly onto the substrate, using a brush.
- Mix a dry mixture of cement and sand (grain size up to 4 mm) in a ratio of 1 : 2 or 1 : 3 parts by volume into the gauging liquid consisting weber.ad 785 and water (1 : 2 parts by volume).
- Apply the renders or the screeds "wet-in-wet" onto the bondcoat.
- Consumption of weber.ad 785: approx. 80 g per kg of dry mortar

Increase of flexibility and chemical resistance for renders, masonry and screed mortars

- The addition of approx. 25 % of weber.ad 785 (in relation to the weight of cement) will result in an "all-in-all" improvement of their qualities.

Use for waterproofing works with weber.tec 930

- The use of weber.ad 785 with the 1-comp. normal-setting waterproofing slurry weber.tec 930 is possible for all its applications, except in contact with drinking water.
- First mix with approx. 3.50 – 3.75 liters of water per 25 kg bag of weber.tec 930.
- Afterwards add 1 liter weber.ad 785 and mix again.
- Attention! If weber.ad 785 is mixed into the mixing water, the dry mortar properties are achieved, but its consistency will be impaired.

Practical information

Colours:
white

Tools:

Electric drill + stirrer, open hopper spray, hard broom, brush in accordance with the specific application

Drying time:
like cement mortar

Storage:

The product can be stored at least 12 months in its original unopened packaging, if kept dry, cool and frost-free. After thawing at moderate temperatures the product recovers its properties and can be used.

Consumption / yield

depending on application: approx. 0.2 - 0.4 kg/m²

Packagings

Type	Sales unit	Number / euro-pallet
Plastic bottle	1 kg	12 bottles/cardboard
Plastic can	5 kg	90 cans
Plastic can	10 kg	60 cans
Plastic can	30 kg	16 cans
Plastic drum	120 kg	3 drums

The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.