

# WEBER 410 THINRENDER



- For versatile rendering or levelling
- Fibre reinforced and low water absorption
- Very water vapor permeable so that moisture in the structure can escape
- Also suitable for foundations and indoor use
- Excellent workability and adhesion
- Certified EPD environmental product description
- The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

## ABOUT THIS PRODUCT

Sprayed or manually spread cement-based double-layer rendering plaster for masonry substrates indoors and outdoors. Layer thickness 2-15 mm. Available also in a light shade, weber 410 V.

## AREA OF USE

Suitable for mechanical or manual double-layer rendering for concrete, brick, block or lightweight concrete substrates, base and filling rendering in SerpoMin- and SerpoTherm insulation plastering systems as well as the SerpoVent board plastering system. Also suitable as an

## PRODUCT SPECIFICATION

Material consumption	approx. 1.5 kg/m <sup>2</sup> /mm
Recommended layer thickness	For the whole levelling: 2-10 mm, partial levelling up to 15 mm. With SerpoMin, SerpoTherm, SerpoVent and 2-layer rendering: 6-10 mm.
Recommended water content	approx. 5.0-6.0 l/25 kg
Binder	Cement and polymers
Aggregate	Natural sand and crushed limestone, grain size 0-1 mm
Additive	For example, plastic fibers, as well as water repellency and weathering agents
Fire class	A2, Non-combustible (EN 13501-1)
Water vapour permeability	S <sub>d</sub> = 0.2 m
Painting product group 2012	423 Cement coatings RL 11...13
Equipment recommendations	Weber Pump Set with a large sack silo or small sacks. Stators 50/7R or Ü356-0.75, 20-50 bar, steel reinforced hose max. 60 m.
Storage conditions	Shelf life is approx. 12 months from the date of manufacture (unopened package, dry space).
Package	25 kg sack. 1000 kg large sack.
GTIN-codes	6415910021252 (25 kg) 6415990340830 (1000 kg)
Certifications	CE, M1, EPD, Key Flag Symbol

bonding layer and levelling, for example on painted surfaces indoors. In this case, the alkaline resistance of the old paint must be ensured by a test spread.

## SUBSTRATE

The substrate must be clean, strong, dense and frost-proof. Materials which weaken adhesion such as salts, laitance, dust and rust must be removed by, for example, wet sandblasting. Only substrates approved for insulation and board rendering may be used for this purpose. Separate work specifications are available for SerpoMin and SerpoTherm insulation rendering as well as SerpoVent board rendering. Follow the system instructions and use only approved products included in the system. Prior

to rendering, wood, glass and metal surfaces should be protected. In dry and warm conditions, masonry substrates are moistened with water spray prior to rendering.

### TO KNOW BEFORE APPLYING

In order to obtain a good result according to plan, a skilled contractor should be employed for the plastering work. If necessary, Weber's technical advice service will assist you with questions concerning plastering.

### MIXING

One sack (25 kg) of powder is mixed in 5.0-6.0 litres of clean water. Mixing time is 1-4 minutes depending on the power of the mixer and mixing method. Pot life is approx. 3 hours after mixing.

### WORK INSTRUCTIONS

Before starting the work, check that you have the correct product. When plastering and at least 2 days thereafter, the substrate and surface temperature must be at least +5 °C. The recommended weather is cloudy with a temperature of +10...+20 °C. Plastering in direct sunlight or strong winds should be avoided. The water flowing from the roof and from above the protruding parts of the façade must be redirected away from the rendering surface during and after work. Already in the planning phase it is important to note that rainwater should be directed in a controlled manner away from the façades and windows.

Plastering a masonry substrate:

The base plastering is done twice to give a protective render and to cover the pattern on the substrate. 410 Thinrender plaster is spread using a render pump or by hand using a steel trowel. If required, the plaster is reinforced with weber Fiberglass mesh 6 mm (e.g. lightweight concrete block substrates or new lightweight aggregate block walls). The fiberglass mesh is pressed

into the fresh base plaster so that it is placed in the plaster layer 1/2...2/3 up from the surface of the substrate. If necessary, add more mesh on the corners of the openings. The joints of the lintels are always covered with mesh.

Insulation and board rendering:

See instructions in the insulation and board rendering work specifications.

### AFTER-TREATMENT

To ensure curing and prevent cracking the plaster layer must be kept moist 1-2 days depending on the temperature and the humidity. In dry and warm weather, the rendered surface must be moistened by spraying if necessary.

### COATING

The surface of the substrate rendered with 410 Thinrender plaster can be coated at earliest the next day with, for example, weber Silco Paint/Silco Coating+, weber 430 Scratch or painted with weber Silco Paint. It should be noted that mineral, cement-containing coatings are characterized by the formation of a salt and limestone efflorescence, which may appear as dull blurry areas in a colored plaster surface. If you want an even-colored surface render, choose silicone resin based Silco products.

### DISCLAIMER

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.