

The Future is  
JUWO Evolved  
SmartWall™

Juwo Parging Coat Systems



**EVOLVED  
SMARTWALL™**

**The JUWO Evolved SmartWall™  
Thermoplan Clayblock System**

**Monolithic Clay Block Building System**

Juwo SmartWall offer two system which can be hand applied or spray applied and are used where Plasterboard on dabs or insulated plasterboards are applied to an external wall to stop air movements through the system and to maintain the airtightness of the structure were a wet plaster isn't being used.

## Juwo Parge Airtight Parging Coat

Spray - Roller - Hand Applied Airtight Parging Coat



## SmartWall Elite Airtight Parging Coat

Spray - Roller - Hand Applied Airtight Parging Coat



# JUWÖ Parge

PRODUCT INFORMATION



JUWÖ Parge is an easy to apply parge coat that has been designed and tested for application onto the JUWÖ SmartWall Building System and has been designed to reduce air flow through the Juwo SmartWall block where dry lining products are being used to the outer wall areas.

JUWÖ Parge can be applied by brush or roller making the application very simple to use. The polymer modified product, grabs to the inside of the open joints then as the product starts to cure it expands, filling and sealing any imperfections of fix, creating a total seal to the Juwo SmartWall internal surface.

The application is relative to weather conditions. It should not be used if the temperature is lower than 5°Deg or if frost is forecast or where the relative humidity is above 85% or the temperatures above +30°C, for a min of 24hr after application the JUWÖ Parge .

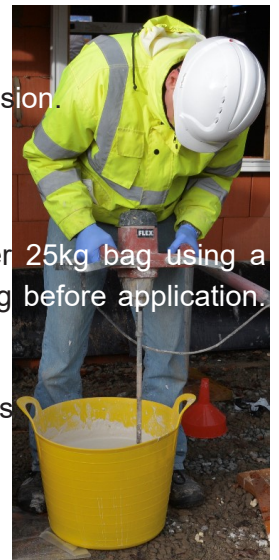
## Installation Methods

All surfaces must be free from contaminations, water or other objects that will reduce adhesion.

## MIXING JUWÖ Parge

JUWÖ Parge should be mixed with clean water at a rate of approximately 9 liters per 25kg bag using a suitable paddle attachment, for a maximum of 5 min and left for 5 min before remixing before application. If the product becomes too stiff to apply, remix the product to make it reusable.

The maximum working life per mix is approximately 3-4 hours dependent on the site conditions



## APPLICATION

The JUWÖ Parge is normally only applied to an external wall on the inner face using either a soft broom or wide brush. Apply a surfactant amount on the broom or brush working the JUWÖ Parge product into the joint, making sure the product is filling all joints.



Once the joints are filled, apply the JUWÖ Parge horizontally and vertically to cover the face of the JUWÖ SmartWall blocks, making sure that the surface is as flat as possible by smoothing out the Juwo Parge but not reducing the overall thickness on the surface as to expose the Juwo SmartWall block.

## COVERAGE

As an estimates each bag mixed will cover Approx. 20sqm, but not taking into account for waste.



# EVOLVED SMARTWALL™

For further information please refer to the eco-parge data / health and safety sheets. This product is classified and therefore the following hazardous and precautionary statements are associated with the product:

**Hazardous Statements:**  
 H315 – Skin irritant. 2  
 H318 – Eye damage. 1

The preparation produces an alkaline reaction when exposed to moisture. Please take this into consideration when processing the material and avoid extended contact with the skin, or make sure to wear gloves.

**Precautionary Statements:**

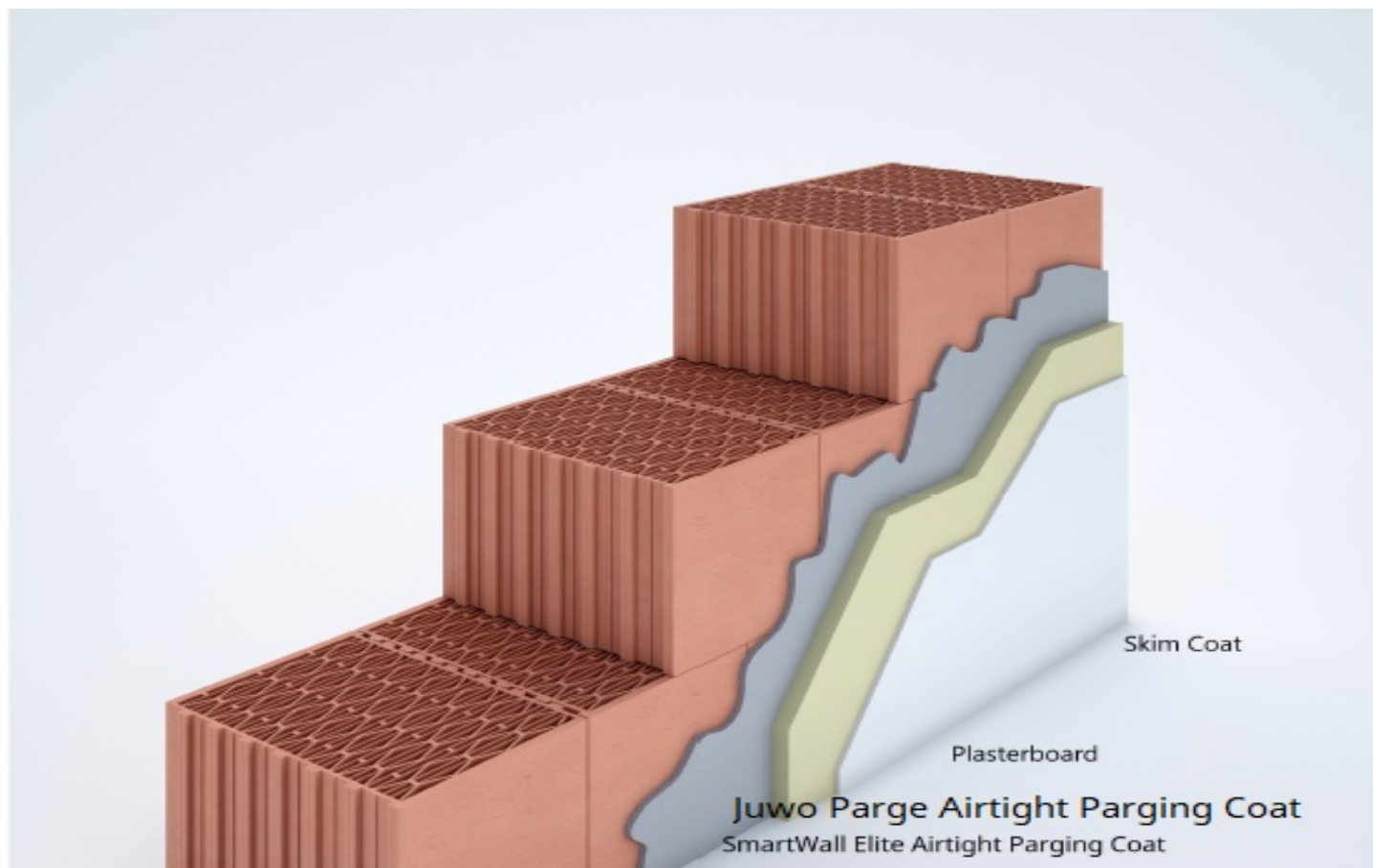
- Keep out of reach of children
- Do not breathe dust
- Do not get in eyes, on skin, or on clothing
- IF IN EYES: Wash with soap and water, get medical attention
- IF ON SKIN: Wash with soap and water
- Wear protective gloves, eye and face protection
- IF SWALLOWED: Get immediate medical advice / attention
- Dispose of contents / container to hazardous waste collection point

THE PREPARATION IS LOW CHROMATE IN ACCORDANCE WITH EU-GUIDELINE 2003/53/EC

 1289	
La Roc, Wetherby Group Dalton Industrial Estate, Dalton Thirsk, North Yorkshire YO7 3HE 13	
<b>JUWÖ Parge</b> Improved deformable cementitious mortar for use internally in buildings EN 12004	
Reaction to fire	Class F
Release of dangerous substances	See MSDS
Initial tensile adhesion strength	≥ 1.0 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	≥ 1.0 N/mm <sup>2</sup>
Tensile adhesion strength after heat aging	≥ 1.0 N/mm <sup>2</sup>
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 N/mm <sup>2</sup>
Open time: tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup> after no less than 20 min
Extended open time: tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup> after no less than 30 min
Deformable adhesive: transverse deformation	≥ 2.5 mm and <5 mm

### STORAGE

JUWÖ Parge is supplied in 25kg sacks on pallets of 40 bags. Storage should be in a dry place at temperatures above 5°C, The Juwo Parge has a storage life of approx. 12 months subject to site storage conditions from date of manufacture.



JUWÖ- Evolved SmartWall Ltd. Trehannick Saw Mills. St Teath. Bodmin. PL30 3JW  
 Tel: 0808 2540 500 mail: mail@juwo-smartwall.co.uk Web: www.juwo-smartwall.co.uk

Poroton - ThermoPlan - Juwo SmartWall Building System

# SmartWall Elite Airtight Parging Coat

## Spray - Roller - Hand Applied Airtight Parging Coat

**Airtight and Vapour breathable, liquid applied membrane to be installed onto the interior of the JUWO SmartWall Monolithic Block system before Plaster boarding to create an active airtight seal to the construction.**

### PRODUCT DESCRIPTION

SmartWall Elite Airtight Parging Coat is a ready-to-use coating based on specific acrylate polymer dispersions, which can be applied with an airless spray device, paint roller or paintbrush and dries to a durable, flexible, watertight, decorative, weatherproof, airtight and vapour open membrane

All building block walls leak air from in a building at up to 80 cubic metres of air every hour through each square metre of surface, at that rate it won't take long for the air inside to escape from the building, resulting in increased heating costs & carbon emissions, therefore when applying a drylining plasterboard which isn't an airtight seal to an external wall construction it need to be sealed with a suitable sealant to stop this happening while not reducing the vapour openness of the construction.

With this in mind we have developed the SmartWall Elite Airtight Parging coat to provide a fast and economical solution to this problem. Not only does SmartWall Elite Airtight Parging coat improve the airtightness of the block walls from up to 80m<sup>3</sup>/hour/M<sup>2</sup> down to less than 1m<sup>3</sup>/hour/M<sup>2</sup>, it is also vapour open, easy maintenance, and can be used as an internal finish which is washable and is an acceptable surface in any public or private areas if required. The main use however is to improve the airtightness of walls that will subsequently be drylined or hidden by shopfittings etc.



SmartWall Elite Airtight Parging Coat

## Preparation:

Brush down the surface to remove dust.  
Remove all traces of efflorescence.  
Fill any large holes and voids with SmartWall LM21 mortar.  
Mask and protect any wall fittings, floors etc to protect from overspray.

## Application:

### Spray Application

Mix SmartWall Elite Airtight Parging coat thoroughly prior to application.  
Preferred application method: high volume airless spray with a spray tip size of 21 thou. and a fan size of 12 inches, followed by back.

### Application by Airless Spray:

SmartWall Elite Airtight Parging coat as an airtight finish on previously painted or bare block walls:  
Apply 1st coat of SmartWall Elite Airtight Parging coat to entire surface overlapping each pass 50% to ensure uniformity.

Back roll or squeegee the entire wall working the coating into all the perforations.

When 1st coat is dry apply a mist coat of SmartWall Elite Airtight Parging coat to the entire surface overlapping each pass by 50% to ensure uniformity.

Spot roll or fill any remaining perforations, prior to starting cleanup works.

### Clean up:

Clean spray equipment immediately with warm water

Remove any overspray or small spillages with warm water.

Remove all masking and protection from site to leave area ready for re-occupation.

### Notes:

SmartWall Elite Airtight Parging coat can only be applied onto dry substrates:

Do not apply second coat and subsequent coats until the previous coat is completely dry, this can lead to the coating delaminating.

Ensure coating is applied over the complete surface.

Apply SmartWall Elite Airtight Parging coat prior to the installation of suspended ceilings and skirting's.

Always back roll or squeegee to fill perforations.

Always stir the product prior to application.

Do not thin the product prior to application.

Do not apply if the surface temperature is below 8°C

### Roller Application

Rolling with a medium pile masonry roller to fill perforations.

(Alternatively a squeegee can be used instead of a roller to work the coating into all perforations).

### Alternative application methods:

Standard brush and rolling techniques can be used as an alternative to spraying, however due to the high solid content of the basecoat more materials will be used.

Drying times: Touch dry

2 Hours @ 18°C

Recoat:

6 Hours @ 18°C

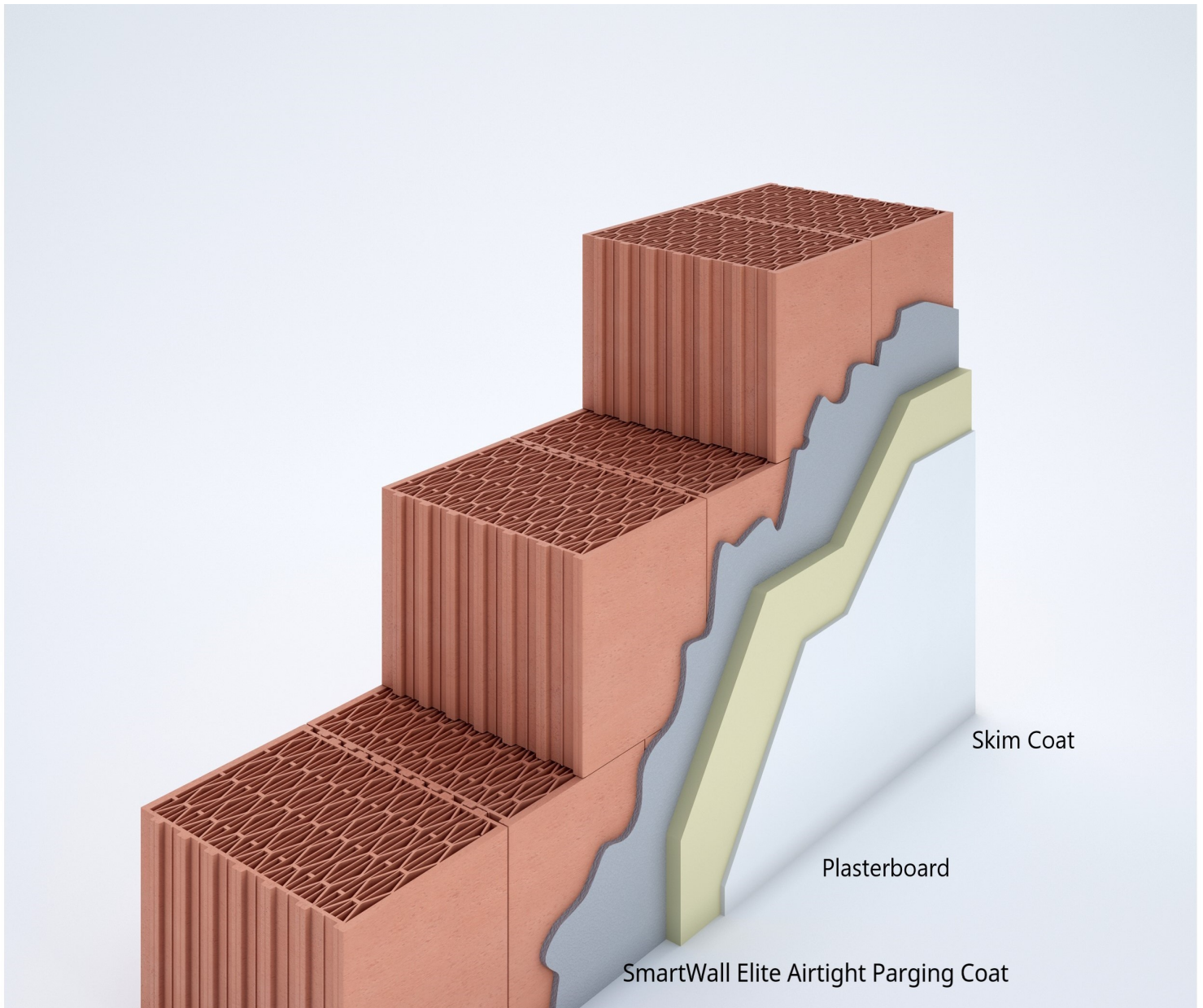


# JUWO Evolved SmartWall™

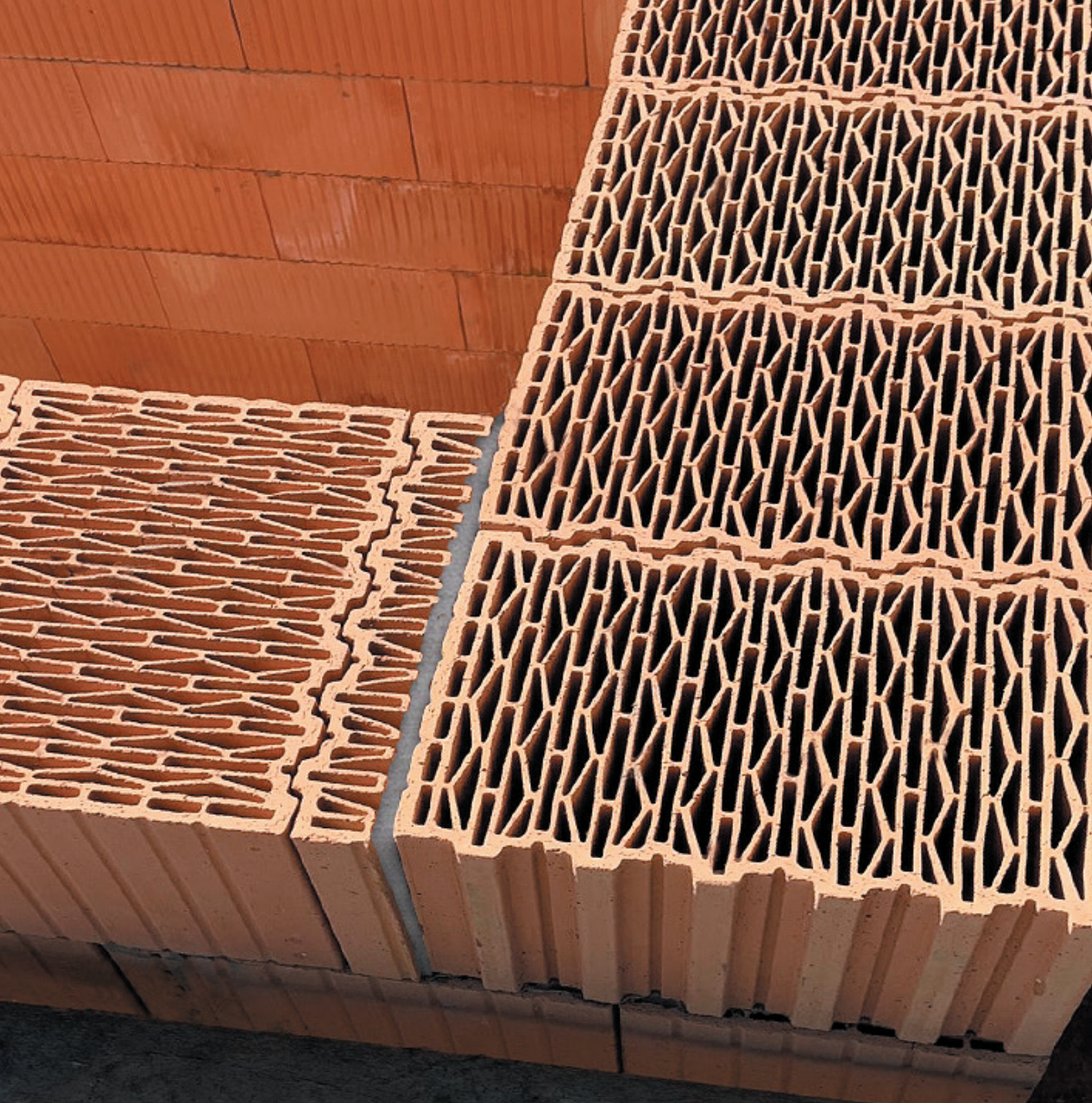
## Spray - Roller - Hand Applied Airtight Parging Coat

**TYPICAL DESIGN DETAIL(\*):**

SmartWall Elite Airtight Parging Coat



Our general conditions of sale apply. This document does not have a contractual value. This technical data sheet replaces and annuls the previous edition. The information given in this sheet has the purpose to inform and advice you. At every moment, this sheet can be adapted because of technical evolution. All information is given in good faith and without any warranty. The application, use and processing of these products are beyond our control and therefore the entire responsibility of the user/client/applicator. The user of the product must test the product's suitability and apply for the intended purpose.



**EVOLVED  
SMARTWALL™**

JUWO Evolved SmartWall™

T: 0808 2540 500

E: [mail@juwo-smartwall.co.uk](mailto:mail@juwo-smartwall.co.uk)

[www.juwo-smartwall.co.uk](http://www.juwo-smartwall.co.uk)