



# **SUPABOARD EXTERNAL FACADE SYSTEM**

- **KNAUF METAL FAÇADE SYSTEM**
- **HIGH STRENGTH SUPABOARD**

## **INSTALLATION GUIDE**

**Combined with Knauf metal Façade System  
Technical Manual**

Revised June 2019

## INTRODUCTION

### SUPABORD Facade System

BuilditEco Pty Ltd and Peer Industries Pty Ltd have joined forces to create a unique, cost effective negative detail cladding system, using the **Knauf Metal** steel framing system combined with the new **High Strength Supaboard**. The resulting system is practical, tough and versatile making it the compelling choice in external façades for all types of buildings.

The Façade System is equally at home in new buildings and refits, commercial or residential, and internal or external applications.

High Strength Supaboard is non-combustible and highly moisture resistant, and can receive a wide variety of finishes from painting to a specially developed texture system designed by Dulux.

Using Supaboard in your next project will not only provide you with a cost effective alternative to other products, but it will also give you the satisfaction of knowing that you are using a product with superior sustainability credentials.

This Installation guide provides information and details merely as a guide for the intended applications.

### Product Range and Details

Thickness: 10mm is standard [10mm up to 25mm available on request]

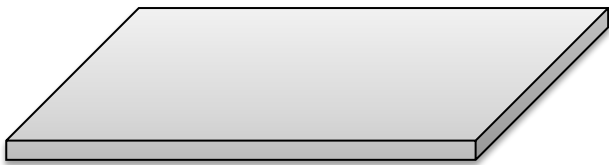
Dimensions: 1200x2400 and 1200x3000, other sizes on request.

Special Orders: Supaboard can be ordered to specific sizes on request (max. length 3000mm).

### Special Features of the Product

1. Cost effective alternative to other systems in the market.
2. Low embodied energy and recyclable
3. 25% lighter than compressed cement sheeting
4. Pre-drilling not required
5. Non-combustible material and complies with AS1530.1
6. Asbestos Free & Non-Toxic
7. Weather resistant and durable
8. No special requirements for on-going maintenance
9. Moisture Resistant
10. Economical

**Products/Accessories/Tools you will need:**

<b>High Strength Supaboard</b>	<b>Board Size: Length(mm)</b>	<b>Width (mm)</b>	<b>Thickness (mm)</b>
	2400	1200	10
	2700	1200	10
	3000	1200	10

<b>Accessories</b>	<b>Description</b>	<b>Tools</b>	<b>Description</b>
<b>Buildex</b> Galvanized Minimum Self-drilling screw	8/35mm CSK Ribbed self- embedding head Climacoat 3	Level/Straight Edge	For level and straightness of frame
<b>Sika</b> Foam Backer rod	Backer rod for expansion joints	Power Drill	For screw fixing Supaboard to steel frame
<b>Soudal</b> SMX35	For use as adhesive to frame and expansion joints	Barrel gun or chalking Gun	For application of adhesive Sealant
<b>Soudal</b> SMX35	To seal negative detail joints.	Diamond tip Power Saw Tungsten tip saw	For cutting the boards
		Chalk line	Marking frame
<b>Dulux</b> Acrapatch fine with 10% Cement	For filling screw heads and top coat	Brush	For cleaning surface of edges of board
<b>Supaprime</b> <b>Or</b> <b>Dulux</b>	To seal and prime, vertical surfaces, prior to two finishing coats.	Dulux 1 step Acrylic Primer, Sealer and Undercoat. Dulux code 630-89139	To seal and prime ceiling surfaces prior to two finishing coats
<b>Supatexprime</b>	Priming for texture finish	Spatula	Filling screw holes
<b>Dulux</b> See DuSpec on our website.	Paint and coating systems for negative detail joint system.	Tin snips	Cutting negative detail strips.

## Supaboard® Installation to Knauf Metal Façade System

### Installation guide to be read in conjunction with Peer Industries Façade System Technical Manual.

Please note that this is a general publication covering many sheet finishes. Supaboard does not require pre-drilling where this is called for in the Knauf Metal Manual.

Supaboard is used as an alternative to Compressed Fibre Cement sheeting (CFC), boards can be cut into almost any size to create many different patterns and combinations, and there are also some advantages that can reduce onsite labor.

- **Pre-drilling is not required with Supaboard.**
- Vertical walls Screw spacing's for Non- Cyclonic **300mm** centers.
- Ceiling application Screw spacing's for Non-Cyclonic **300mm** end of sheet **250mm** centers.
- Use an 8mm bead of Soudal SMX35 adhesive to the perimeter of each sheet to frame.
- Galvanized Class 3 Minimum screws ensuring no potential corrosion issues.
- Replace 2pack fillers with Dulux Acrapatch Fine for easy use.
- Supaboard is 25% lighter compared to CFC.
- Screws counter sink easily into HS Supaboard (recommend **30 to 35mm** from edge of Supaboard)
- Thickness 10mm standard, other thicknesses on request.
- No need to treat board edges when cut.

### Finishing Supaboard

Supaboard has a smooth face on one side and a machined face on the other side, the board can be used either way exposed to the elements. HS Supaboard has a minimum of 4 layers of fiberglass mesh throughout the board; this gives the Supaboard very high impact strength. The smooth face gives you a great surface to finish with flat acrylic paints to the desired finish; prep work is kept to a minimum before applying our recommended DuSpec coating system as a final color finish.

We recommend sealing the board with the specified priming systems as soon as possible. The board must be dry before sealing.

- Once Supaboard is fixed and adhered to the frame allowing 3mm screw depth below the board surface, seal in the joints as specified in the Peer Façade system manual.
- Dust off the Supaboard and any loose material around screw heads.
- Fill screw heads with 2 coats of Dulux Acrapatch Fine + 10% cement
- Sand back to a smooth finish.
- Apply another coat as a top coat if required then sand back smooth for flat paint finishes.
- If texturing, there is no need to top coat as the previous step, simply apply Supatexprime or Dulux TXT primer, see **DuSpec Express jointed system** at [www.supaboard.com.au](http://www.supaboard.com.au)
- Apply a roll on texture or trowel on finish, see **DuSpec**
- Colour applied must have a **LVR** (light reflective value) **greater than 40%**.

Please refer to the Supaboard finishing section on our website.

### **Cutting Supaboard**

Supaboard can be cut easily with a power saw using a tungsten blade; however diamond blades will last much longer and give finer and sharper edges. It is important that the board is cut with the blade teeth cutting through the smooth face of the board, in most cases have the smooth side of the board facing down when cutting with a power saw. Finer cuts and service holes are achieved by using power tools such as, jig saw, hole saw, bench top saws also can be used.

**Please observe Occupation Health and Safety Practices as dust will result from mechanical cutting, always cut in well ventilated areas.**

### **Movement/Control Joints**

Control joints will be necessary in most construction systems, please refer to the Knauf Façade systems manual for details on page 17. We recommend that a backing rod is used where you have an expansion or control joint.

### **Storage of Supaboard**

Supaboard will need to be stored in a dry place before installation; however the board is highly moisture resistant and will retain almost all its strength when wet but it must be allowed to fully dry. If the board does get moisture affected from rain or accidental spillage, adhesive may not stick to the board while there is moisture present, simply allow the board to dry out, it will fully restore without any adverse effects.

### **Conditions of Warranty**

BuilditEco warrants that the product shall be free from manufacturing defects and shall be subject to the General Terms and Conditions of Sale (available at [www.builditeco.com.au](http://www.builditeco.com.au)).

### **Disclaimer**

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