

## Clayboard

**A MAXIMUM STRENGTH HONEYCOMB.  
MEANS MAXIMUM PERFORMANCE.**

Our unique sustainable, 100% recyclable honeycomb board creates a technically sound void, solving ground movement issues and preventing structural damage caused to foundations by clay heave. Specifically designed to work in commercial and domestic environments, the technical properties of our environmentally friendly clayboard void former system means significant savings in both time and money.

Due to its unique make up, Clayboard creates very little compression and virtually no uplift, allowing for a lighter slab, less reinforcement steel. This void former also reduces soil excavation, muckaway costs and deliveries to the site as the product is up to 30% thinner than any other product on the market.

Available at resellers across the country, we can manufacture to a 3 – 4 day lead time and deliver direct to site in a weatherproof seal. Our team has many years of experience working on a range of projects, including everything from complex commercial developments to the New York subway system.

**SPECIFYING**

The thickness of product required will be determined by the plasticity index, which is specified by the soil engineer. Varying thicknesses are available and we've shown estimate thicknesses, strengths and requirements below.

**CLAYBOARD COMMERCIAL: STRENGTH GRADE UP TO 90kN/m<sup>2</sup>**

Sheet Size: 2440mm x 1000mm			
Plasticity Index	Shrinkage Potential	Void requirement	Clayboard Thickness
10 – 20	Low	50mm	60mm
20 – 40	Low – Medium	75mm	85mm
20 – 40	Medium – High	100mm	110mm
40+	High	150mm	160mm

**RESIDENTIAL: STRENGTH GRADE UP TO 30kN/m<sup>2</sup>**

Sheet Size: 2440mm x 1000mm			
Plasticity Index	Shrinkage Potential	Void requirement	Clayboard Thickness
10 – 20	Low	50mm	60mm
20 – 40	Low – Medium	75mm	85mm
20 – 40	Medium – High	100mm	110mm
40+	High	150mm	160mm

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## INSTALLATION GUIDE

There are three key steps to installing Clayboard; preparation, laying and then forming the void.

### PREPARING THE SITE

- We will deliver Clayboard to site on a weather proof pallet within 3 – 4 days of ordering. On arrival, it's important the product remains dry on site at all times.
- Remove all water from the foundation zone.
- Lay a 25mm, flat, dry, level sand blinding
- Lay a polythene sheeting (minimum 500g) onto the blinding.



### LAYING THE SYSTEM

- Lay the Clayboard, printed face up, making sure the adjoining panels are positioned up closely together.
- Seal all the joints with Dufaylite Waterproof Tape.
- Lay polythene (minimum 500g) on top of the Clayboard, overlap and tape all joins and leave an overlap at the edges of the Clayboard.
- Lay steel reinforcement.
- Prepare for later introduction of water by using the Clayboard VOIDPAK System



### FORMING THE VOID

- When the concrete is totally self-supporting, insert hosepipe and introduce a slow flow of water into the Clayboard. Leave water for approximately 2 hours.
- After 24-28 hours, strike through the bottom facing of the Clayboard to allow excess water to drain away. Seal the pipes with cement or waterproof sealant and make good.

