

CLAYBOARD

- Has a nominal compressive strength of 30kN/m² when dry
- BBA Certified to comply with NHBC Standards
- Only to be used for Residential projects
- Offered in 4 thicknesses depending on shrinkage levels
- Lightweight
- Cost effective for residential budgets
- Environmentally Friendly

Clayboard® Residential is a unique, environmentally friendly void former and foundation system to protect against clay heave and ground movement. Clayboard® has a 100% recycled and biodegradable paper honeycomb core set between lightweight polypropylene facings which have up to 70% recycled material content.

When dry, Clayboard® is strong enough to support the weight of wet concrete and steel reinforcement.

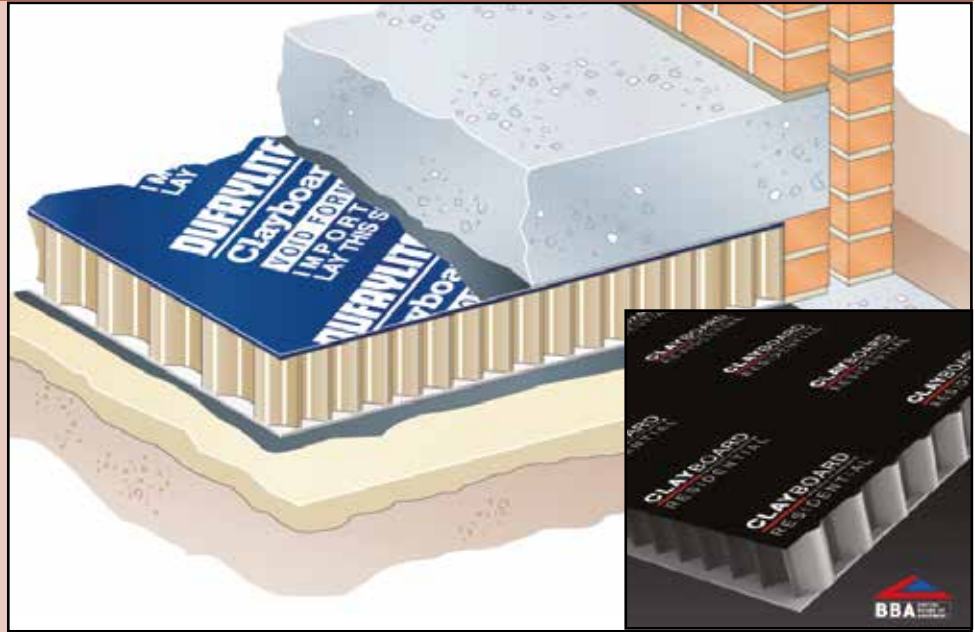
Water is introduced to the Clayboard® core once the concrete slab or beam is set, degrading the Clayboard® honeycomb centre which will ultimately lead to the creation of a void and clay heave protection.

This space will accommodate clay expansion without exerting undue pressure on the structure above. The resulting void continues to accommodate natural soil shrinkage and expansion.

Also available

- Void pak pipes
- Pre-wrapping service
- Commercial clayboard

CLAYBOARD	VOID	SHRINKAGE
160mm	150mm	High Shrinkage
110mm	100mm	Medium Shrinkage
85mm	75mm	Medium Shrinkage
60mm	50mm	Low Shrinkage



Specification

Clayboard® is supplied in panels 2440mm long by 1000mm wide, by the specified thickness. Clayboard® is delivered to site on lightweight pads for easy unloading, and is polythene wrapped for protection.

Thickness

The thickness of Clayboard® depends on the depth of the required void which should be specified by the soil engineers taking into account the plasticity index.

Compressive strength

Clayboard® is available in two standard strengths, KN30 (Residential) and KN90 (Commercial). KN30 has a nominal compressive strength of 30kN/m² when dry and is designed to support the weight of wet concrete up to 1m thick. KN90 has a nominal compressive strength of 90kN/m² when dry and is recommended for concrete slabs thicker than 1m.

When the core is wetted, both KN30 and KN90 Clayboard® will collapse under nominal compressive load of approximately 3kN/m².

Health and Safety for our void fillers

The materials used in Clayboard® do not constitute a risk to the Health and Safety of users in the course of site application in the recommended manner. It is the user's responsibility to adopt relevant safe practices when handling, stacking, cutting and installing Clayboard® panels. Clayboard® panels are safe to handle with no dust and no harmful emissions.

CLAYMASTER



A compressible-fill material. It is used to prevent potential problems in foundations caused by moisture movement in soils, by being permanent shuttering for cast in-situ reinforced concrete, reducing pressure on ground beams in piled foundations and on the side of trench fill. *For higher shrinkage or void values, consult the manufacturer.

SHRINKAGE POTENTIAL	PREDICTED LATERAL NHBC RECOMMENDED VOID	CLAYMASTER THICKNESS FOR 'EQUIVALENT VOID'
Low	Zero	Zero
Medium	25mm	50mm
High*	35mm	75mm