

## Bluebay Ground Heave & Polystyrene Products

### Clayshield EPS Polystyrene Sheets

Clayshield is the proven solution to protecting foundations against the effects of clay heave and soil movement on the side of deep trench foundations or the side and underside of ground beams.

Clayshield boards are manufactured from expanded polystyrene (EPS), a lightweight, closed cell system with excellent compressibility. The cells in the board contain air, which compress under the pressure of expanding, wet clay soils, acting as a buffer between the ground and the foundation.



Application	Position	Clayshield Product
Deep trench foundations	Side	Clayshield
Ground beams	Side / Underside	Clayshield
Ground beams	Underside	Castellated Clayshield / Clayshield
Piles	Encasement	Pile Collars

Property	Clayshield
Board size (mm)	2400 x 1200
Thickness (mm)	50, 75, 100, 200, 300
Effective Depth	Deep trenches up to 3m, ground beams up to 600mm
Colour	Light blue

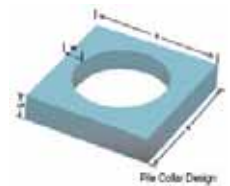
### Castellated Clayshield

Castellated Clayshield is used to protect the underside of ground beams; Pile Collars and the innovative Clayshield Fixing Tool, which enables groundworkers to secure the protective boards in place while remaining outside the trench.

Property	Castellated Clayshield
Board size (mm)	1200 lengths, in widths to suit the trench
Thickness (mm)	100, 150, 200, 250
Colour	Light blue



Pile Collars		
Diameter (mm)	W (mm)	A (mm)
300	50-150	400-600
400	50-150	500-700
500	50-150	600-800



### Proofex Total

#### High performance, totally gas-impervious, reinforced membrane

Reinforced gas membrane designed to protect buildings and their occupants from the effects of methane, radon, carbon dioxide and other harmful gases. Like conventional ground membranes, Proofex Total also acts as a damp proof membrane to help protect the building against the ingress of moisture from the ground.



#### Advantages

- Independently certified performance, BBA certificate no.01/3850.
- 6-layer product design for maximum gas protection.
- Polyester reinforcing grid for puncture resistance during application.
- Loose-laid system for ease of application.
- Can be used on ground-bearing concrete floors and beam/block floors.
- Can be used to form a cavity tray, no need for a separate product.



Technical Data	
Product	Size
Roll Width (m)	2.0
Roll Length (m)	25
Roll Weight (kg)	22



### Proofex Radon Barrier

#### High performance, gas-impervious, reinforced membrane

Gas membrane designed to protect buildings and their occupants from the effects of radon, carbon dioxide and other harmful gases. Like conventional ground membranes, Proofex Radon Barrier also acts as a damp-proof membrane to help protect the building against the ingress of moisture from the ground.

#### Applications

- Virgin co-polymer product design for maximum gas protection.
- Loose-laid system for ease of application.
- Can be used on ground-bearing concrete floors and beam/block floors.



Technical Data	
Product	Size
Roll Width (m)	4.0
Roll Length (m)	20
Roll Weight (kg)	28.48