

Backerboard HD

Description

Backerboard HD is a premoulded board for use as a protection against backfill for below ground walls and pressures formed by horizontal multi level slabs.

Advantages

Permanent: Long life, even when exposed to saturated conditions, economical in use.

Preformed: Easily handled, avoids the need for screed to masonry protection.

Cold Applied: Avoids messy, hot application.

Quick To Use: Avoids using wet trades, not labour or weather dependant.

Avoids Delays: Applied immediately after waterproofing membrane laid and inspected.

Economical: Protection thickness reduces depth of excavation.

Robust: Resists penetration of abrasive backfilling materials and accidental damage.

Basic Uses

Backerboard HD is a tough durable material used as a protection course for membrane waterproofing materials. Backerboard HD will stand up through all phases of construction. Backerboard HD withstands the shock of backfill operation and normal on site foot traffic. Backerboard HD protects the membrane from construction abuse and harmful puncture by rock and aggregate during backfilling operations and at the time of later settlement. Backerboard HD is economical and convenient to use in areas involving foundation walls and between slab construction such as parking garage decks, planter boxes, pools, kitchens, showers, plaza decks, roof terraces, tunnels and promenade decks. Backerboard HD is not intended as a water proofing material though it has water proofing qualities. Backerboard HD is basically a protection course to be independently specified in the architectural specification.

Compatibility

Backerboard HD is fully compatible with and is used in conjunction with built-up damp-proofing and water-proofing membranes, liquid membrane water-proofing systems, butyl rubber sheeting, asphalt saturated mopping

felts, polyvinylchloride sheeting, neoprene, asphalt cut-backs, fibreglass membrane, the new one and two part coal tar modified urethane and coal tar modified polysulfide liquid membrane systems and Bentonite GCL Lines.

Application

Backerboard HD should be installed continuously over the water proofing membrane and can be cut easily with a Stanley knife to fit snugly over all areas.

For Horizontal Surfaces: Butt the Backerboard 501 sheets together. If necessary cut the sheets to fit all intersections and protrusions. Use Aluminium Flashing tape to seal the joints or Backerboard Sealing tape.

For Vertical Surfaces: Butt the sheets and hold temporarily in place until backfill is accomplished using multistik double sided tape and battens where necessary.

Backfilling

Backfilling against vertical walls should be done within 48 hours after installing Backerboard HD. For horizontal applications, the water proofing and Backerboard HD should be installed just prior to the installation of the wearing surface. Backfilling should be done with care and backfill material should not be dropped against Backerboard HD in such a manner that it could drag the sheet down as it drops.

Storage

Keep sheets stored on pallets, placed on a level surface, and stacked to a maximum of two pallets high.

Suggested Specification

Protection board shall be Backerboard HD in thickness as supplied by Alderburgh Ltd. Protection board shall be semi rigid. Backerboard HD shall be applied to form a continuous protective layer over the water proofing membrane. All edges should be butted tightly and all intersecting surfaces cut to fit.

Backerboard HD

Technical Data

Tested Property	Tested Method	Minimum Value
Thickness (mm)	ASTM D 751/1593/5199	2.5mm
Density (g/cm ³)	ASTM D 792/1505	0.94mm
Tensile Properties (Each direction) Strength at break (N/mm) Strength at yield (N/mm) Elongation at break (%) Elongation at yield (%)	ASTM D638 Type IV Gauge Length per NSF Std 54	71 38 560 13
Tear Resistance (N)	ASTM D1004	334
Puncture Resistance (N)	FTMS 101. Method 2065	579
Environmental Stress Crack Resistance (Hours)	ASTM D1693, Cond.B	1500
Reference Property	Test Method	Nominal Value
Low Temperature Brittleness 'C'	ASTM D746, Cond.B	<-77
Water Absorption % wt change	ASTM D570	<0.01
Moisture Vapour Transmission, g/m ² day	ASTM E96	<0.001
Dimensional Stability (each direction) %	ASTM D1204, 100°C, 1hr	<0.001

Description

Alderprufe Tac Primer is a cold applied, bituminous solution containing fast drying solvents and wetting agents, designed to penetrate and seal porous surfaces prior to the application of covering materials. Conforms to BS code of practice 144: Part 3: 1970 and BS 3416 Type 11.

Specifying

Alderprufe Tac Primer or should be specified by name and used as detailed.

Application

Surfaces should be free of dirt, dust and loose debris. This primer may be applied to damp but not wet surfaces. On metal surfaces, all loose rust should be removed using a wire bristled brush. Metal surfaces showing advanced signs of corrosion should initially be treated with a rust inhibitor. apply the primer evenly across the surface in one generous coating. This primer is resistant to normal rainfall within 20-30 minutes of application.

NOTE: In order to comply with BS code of practice 144: Part 3: clause 4.6.1, it is essential to ensure that the priming coat has dried and is free of all volatiles when priming concrete or screeded surfaces. A safe drying margin of 2 hours should be allowed to ensure this.

Uses

This product is a fast drying penetration primer designed to seal porous substrates and encourage the adhesion of self adhesive membranes and tapes. It may be applied successfully to a wide range of surfaces; Metals, mild steel, zinc, lead, concrete, asbestos cement, slate and light weight concrete screeds.

Product Data

Cover Capacity - varies according to the porosity of the surface

Metal Surface; - 6 - 12m² per litre.

Concrete; - 6 - 8m² per litre.

Lt-weight concrete screeds and asbestos cement; - 3.5 - 5m² per litre.

Specific Gravity - 0.89 - 0.01.

Solids content - 45 2% by weight.

Flash Point - 34°C (94°F).

Colour - Black

Thinning/Cleaning - Use white spirit or paraffin to clean brushes, tools and spillages.

Storage - Store in a cool, dry place, away from extremes of temperature.

Pack Sizes - 5 litre, 25 litre and 200 litre containers.

Shelf Life - Indefinite in undamaged, tightly sealed containers.

Health and Safety

Separate Health and Safety Data Sheet available.