

Atal Flo Board 508i [R]

Cavity Drain Waterproofing Membrane BBA Certified as Newton 508 Cert No. 94/3010

INTRODUCTION

Atal Flo Board 508i [R] is a high quality cavity drain waterproofing membrane suitable for use internally below the ground to retaining walls, vaulted soffits and floors. Atal Flo Board 508i [R] is the most commonly used membrane within our Atal internal drainage system.

Atal Flo Board 508i [R] is guaranteed against deterioration for 30 years, and has a life expectancy of at least 50 years (DIN 9001:2000) and is supported by BBA Certification Number 94/3010.

Atal Flo Board 508i [R] is inert with high compressive loading stability. It is highly resistant to water, alkalis, saline solutions and organic acids, and it is not effected by minerals and hydro-carbons. It is also impervious to root penetration, is rot-proof and resistant to bacteria, fungi and other small organisms.

Atal Flo Board 508i [R] is also independently tested as being an effective barrier to methane and radon ground gasses and is the membrane used within our patented combined ground gas and waterproofing system.

Atal Flo Board 508i [R] is completely inert and is non-polluting to drinking water.

KEY BENEFITS

- Does not require extensive and damaging preparation to the wall surface.
- Speed of installation.
- Provides vapour control and when used with humidity control systems is capable of delivering an environment to all levels within a Grade 3 environment to BS8102:2009
- Independently certified as a barrier to hydro-carbon gasses, radon and methane.

All technical data stated herein is based on tests carried out under laboratory conditions.

TYPICAL APPLICATIONS

As a waterproofing membrane as part of Atal waterproofing systems and be used as both the wall and the floor membrane for the waterproofing and gas control of:

- Basements
- Cellars
- Vaults
- Tunnels
- Arches



INSTALLATION

Atal Flo Board 508i [R] is a component of atal internal drainage system, a professional fit waterproofing system. The BBA certificate for Atal Flo Board 508i [R] requires that 'The waterproofing membrane should only be installed by installers who have been trained and approved by the Certificate holder.' Atal approved contractors or contractors within similar approved schemes run by our distributors should be used for the installation of Atal Flo Board 508i [R]

SPECIFICATION & DESIGN

Atal provide a full design service which includes full CAD and 3D drawing capabilities to assist the designer and appointed specialist contractor with the technical specification. It should be understood however that the person ultimately responsible for the design of the waterproofing system is the installing waterproofing contractor. The specialist contractor should be included as part of the project design team (a recommendation within BS8102:2009) with the designer providing guarantees for both design and installation.

Our experience is that the sooner a waterproofing contractor is involved in the design of the system the smoother the project runs.

SEALING AROUND PROTRUSIONS

Atal Flo Board 508i [R] is not a pressure resistant membrane, making good and sealing to service entries and other protrusions is generally simple to design and implement.

USING THE MULTIPLUG FOR FIXING

The Atal MultiPlug has a hollow core that designed to receive 5mm self-tapping screws. Use the MultiPlug to secure timber battens or locating brackets from wall lining systems. Heavier items can be supported by screwing a piece of chipboard to the MultiPlugs at fairly close centres and then fixing the heavier item to the chipboard in a conventional way.

FIXING HEAVIER OBJECTS TO THE WALL

Heavier objects should be attached to the wall using resin anchors. Seal around the resin anchor with Atal Mastic or Waterseal Rope.

WALL TIES

The Atal MultiPlug is designed to accept a range of Atal Helifix Wall Ties. These helical ties are driven into the MultiPlug to the correct depth with a hand tool. Atal Helifix Wall Ties are available in lengths of 155mm, 170mm, 195mm, 220mm, 245mm, 270mm, 295mm and 325mm. The hand tool ensures that exactly 30mm of the wall tie is inserted into the MultiPlug, and this should be considered when sizing the wall tie.

LIMITATIONS

- Atal Flo Board 508i [R] is a component of Atal internal drainage system, a waterproofing system for earth retained structures that collects and manages ground water entering the structure. The collected water must be safely removed. The membrane is not to be used within an earth retained structure unless a safe method of water removal has been included also.
- Not UV stable - Ensure the membrane is not left in direct sunlight for more than 7 days.

STORAGE

Atal Flo Board 508i [R] should be stored with the rolls standing up on end and away from direct sunlight.

HEALTH & SAFETY

Product should only be used as directed. Although Atal Flo Board 508i [R] poses no health hazards usual protective clothing and goggles should be worn in accordance with current health and safety regulations. We always recommend that the Material Safety Data Sheet (MSDS) is carefully read prior to application of the material. Our recommendations for protective equipment should be strictly adhered to for your personal protection.

Technical staff will be pleased to give help and advice on the most effective use of the product.