Damplas Gas Proof Membrane

Description

Damplas Gas Proof membrane provides an impermeable barrier to radon, methane and carbon dioxide gas. It is intended for use in structures built on Brownfields or contaminated ground to prevent the rise of naturally occurring hazardous gases entering buildings.

Made from high quality recycled polythene this barrier provides a robust barrier that can also be used as a general damp proof membrane to protect building foundations.

Composition

Comprising of a 300 Micron thick recycled polythene sheet, this membrane provides an effective gas proof barrier and an effective damp proof membrane. Each sheet is tear and puncture resistant, providing that the membrane is installed on a smooth bed.

Before placing concrete or screed onto the membrane it should be carefully inspected for holes or tears. Any holes should be covered with another piece of Damplas Gas Proof Membrane lapped 150mm from the edges of the puncture and sealed with double sided tape.

Application

Damplas Gas proof membrane is intended to comply with British building regulations and technical standards. These standards require precautions to be taken to prevent the build up of harmful or potentially dangerous gases within buildings. Damplas Gas Proof Membranes can be used to prevent the rise of radon and methane gases through structural foundations.

This membrane is not intended for use on ground where hydrostatic pressure is present.

Instillation.

Unless the application surface is already smooth it should be blinded with compacted soft sand to guarantee a soft bed, free from any objects that may puncture the membrane. The membrane should be laid flat and tucked into angles to prevent bridging. Within corners folded welts should be formed.

It is recommended that the membrane should be covered with a protective layer or screed as soon as soon as possible after it has been installed. Care should be taken when applying concrete or screed on top of the membrane to ovoid stretching or displacement.

When joining two sheets of Gas Proof Membrane a minimum overlap of 150mm should be provided between each of the sheets. These joins should then be sealed with double sided tape to provide a strong bond between the sheets.

Perforations or punctures of the membrane should be patched with sheets of identical thickness lapped at least 150mm away for the perforation edge and sealed in a similar method as described above.

When installed along an adjoining wall the Gas Proof Membrane should be linked to the Damp Proof Course within the structure walls.

Storage and handling

This product is chemically inert and classified as non-hazardous when used in accordance with BS5250:2002.

The product should not be used in applications where is exposed to outdoor weathering for long periods as extended exposure to ultraviolet light damages the product.