

Rhinoplast 4m x 25m M/F Black Vapour Barrier 125mu

Data Sheet

Product Description

Principal Vapour Barrier is used to stop interstitial condensation within a structure as improving the general airtightness of the building. Principal Vapour Barrier restricts the passage of warm, moist air from within the building from permeating into the structure or the roof. It is commonly used within timber frame housing as well as commercial buildings. Principal Vapour Barrier does not contain any post-consumer waste.

Benefits

- Range suitable for all internal building conditions
- Used within the roof, wall and floor.
- Reduces the likelihood of interstitial condensation
- Manufactured in the UK
- Vapour resistance of 260 MNs/g
- Supplied in a multi fold sheeting

Application

The control of condensation to within safe limits is an important consideration in the design and construction of buildings. The occupants of a building and their associated activities produce water vapour which, if unmanaged, can condense within or between building elements; a process referred to as interstitial condensation. This condensation can have serious detrimental effects upon the fabric of the building such as causing the decay of timber elements and corrosion of metal components, and reducing the thermal effectiveness of insulating materials.

With the progressive increases in thermal efficiencies of buildings in order to reduce energy usage, any reduction in the effectiveness of the installed insulation can have long term financial implications. The negative effect upon the fabric of the building increases the incidence of moulds and mildews, which in turn can have a harmful effect upon the health of the building occupants.

Principal Vapour Barrier provides a means of protecting the warm side of the thermal insulation incorporated in a building by creating a barrier to the movement of warm, moist air. Principal Vapour Barrier is a loose laid membrane designed for use in roofs, walls and floors subjected to humidity levels less than 60% at 20 degrees Celsius (BS5250:2002 class 2 and 3 conditions) e.g. offices and domestic dwellings.

Performance Data

Essential Characteristics	Performance	
Tensile Strength	MD >8 (MPa) CD >6 (MPa)	
Elongation at break	MD (Min 150%) CD (Min 150%)	
Tear Strength	MD (Min 150%) CD (Min 40N)	
Water Vapour Resistance	3,9x10 ¹¹ ((m ² s.Pa)/kg)+/-35%	(BS-EN 1931)
Resistance to Fire	F	
Durability		BS EN 13984: 2012
Against heat aging Watertightness (2Kpa)	Pass Pass	BS EN 1928 (Method A)

Ancillaries

- Rhinoplast Joint Strip
- High Tack Girth Tape