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DATA SHEET

Newtonite - M16

INTRODUCTION

Newtonite provides a firm key and impermeable barrier on any damp or deteriorating surface where direct bonding is not possible. Even poor and random substrates can easily receive Newtonite.

Newtonite presents a physical barrier between the old surface and the new internal finish. Unlike many systems it can be punctured when new wall fixings are required. Holes drilled through the material must however be well sealed with Newton Mastic to stop any 'bridge' between the surfaces. Positive internal air pressure 'pushes' vapour, suspended within the air gap created by the studded membrane, through the external wall and out of the property.

Newtonite can be used on virtually any type of surface of a thickness and strength sufficient to support the material and final finish. Newtonite provides a firm key, an effective barrier where direct bonding is not possible because the surface has been affected by damp, salts, oils (or other injurious substances) or simply where the surface has deteriorated and crumbled. Newtonite will also overcome the affects of 'cold face' and thereby improve insulation. Newtonite provides the once and for all solution to all the above problems.

The Material

Newtonite is made from inherently stable, high density polyethylene, 0.3mm thick, formed into a pattern of raised studs. A polythene mesh is thermic welded to the surface of one side. The studs, 3mm high, face the wall and create channels which allow air to circulate freely behind the Newtonite. On the face, the mesh provides a rot proof key for the application of plasterboard or other materials by 'dot and dab' with a bonding plaster. Alternatively plasters or renders can be applied.

Strength and Stability

Newtonite is inert and, with high pressure stability, has resistance to compression of 80KN/m² and a breaking strength of over 600N/60mm. It is highly resistant to water, alkalies, saline solution, anorganic acids and is not affected by minerals. It is also resistant to bacteria, fungi and other small organisms. The studs keep the new surface away from the contaminated substrate and allow air to circulate which, in the case of a damp surface, allows it to slowly dry out. The stud structure also, by allowing this small air gap, will increase the insulation of the room.

Width (m)	1.00
Length (m)	10.00
Colour	Blue
Raw material	High Density Polyethylene
Thickness (mm)	0.30
Stud height (mm)	3.00
Resistance Compression	80KN/m ²



ASSOCIATED PRODUCTS

- Newton Plugs, sold in bags of 160 (sufficient for one roll)
- Newton Mastic, sold in 0.38 litre tubes (3 tubes would be sufficient for one roll's application)
- Newton Profile or Ventilation Strip, available in 2m lengths