

Rev 4.2 - November 2014

PRODUCT CODE - M19,M23

## INTRODUCTION

Newton 603 is a high quality flooring membrane suitable for use above new and existing floors. The 3mm studs allow for pressure equalisation of dampness within the floor below allowing for dissipation at room perimeter and subsequent drying of the floor.

The studs also give slight compression to footfall making the floor very responsive and comfortable and ideal as the floor membrane for performance sports floors.

Newton 603 uncouples the floor finish from the substrate so that movement is not transferred to the floor finish above. The membrane also bridges small cracks allowing for quick floor installation above less than ideal substrate.

Newton 603 is guaranteed against deterioration for 30 years, and has a life expectancy of at least 50 years (DIN 9001:2000). Newton 603 is inert with high compressive loading stability. It is highly resistant to water, alkalies, saline solutions and organic acids, and it is not effected by minerals. It is also resistant to bacteria, fungi and other small organisms.

Newton 603 is suitable for non-bonded flooring finishes such as laminate flooring, timber flooring and particle and ply floor boards. Where the floor finish requires a bond to the membrane, for example, paving slabs, use Newton 603 Mesh. If the floor membrane is also required to be bonded to the substrate, use Newton 603 Bonded Mesh.

## REQUIRED ANCILLARY PRODUCTS

- Newton Waterseal Rope - A6 - for sealing around protrusions through the membrane
- Newton Overtape - A8 for membrane jointing

NEWTON 603	
Width (m)	2.00
Length (m)	20.00
Area (m <sup>2</sup> )	40.00
Weight (kg)	23.00
Colour	Transparent
Raw material	High Density Polyethylene
Thickness (mm)	0.50
Stud height (mm)	3.00
Compressive strength	>200 kN/m <sup>2</sup> (with studs filled)
Vapour permeability	0.046g/m <sup>2</sup> x hr x mmHg
Thermal resistance	0.078m <sup>2</sup> K/W
Thermal conductivity	0.461 W/m K
Air volume between studs	1.56 litres/m <sup>2</sup>
Drainage capacity	1.05 litres/sec/m <sup>2</sup>
Vicat softening temperature	126 °C

