

## System 600

# NEWTON 601 SLIMLINE

## High Grade Flooring Membrane

Rev 1.3 - 8 January 2015

PRODUCT CODE - M6

### INTRODUCTION

Newton 601 Slimline is a high-grade flooring membrane used primarily for isolating moisture sensitive flooring from dampness in the floor slab. It can be used as the floor membrane as part of Newton System 500, when the survey has ascertained that there is no risk of water entering through the body of the slab.

Newton 601 Slimline allows for the installation of sensitive flooring to be laid above 'green' still curing concrete as soon as the concrete is walkable, usually two days, significantly reducing project times.

With a loading capability of over 1000kN/m<sup>2</sup>, Newton 601 Slimline is able to resist very high compressive loading and is suitable for use as a high load DPC within structural block walls, especially when used to connect the wall and floor membranes within Newton System 500.

Newton 601 Slimline is guaranteed against deterioration for 30 years and has a life expectancy of at least 50 years (DIN 9001:2000) Newton 601 Slimline is inert and is highly resistant to water, alkalies, hydro-carbons, saline solutions and organic acids, and it is not affected by minerals. It is also resistant to bacteria, fungi and other small organisms.

NEWTON 601 SLIMLINE	
Width (m)	2.08
Length (m)	20.00
Area (m <sup>2</sup> )	41.60
Weight (kg)	19.00
Colour	Grey
Raw material	High Density Polyethylene
Thickness (mm)	0.50
Stud height (mm)	1.00
Compressive strength	>1000 kN/m <sup>2</sup>
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>
Vicat softening temperature	148 °C

*All technical data stated herein is based on test results carried out under laboratory conditions*

### TYPICAL APPLICATIONS

- To protect flooring from not yet cured slabs
- Above contaminated floors High grade DPM
- As the damp-proof floor membrane for use with Newton System 800 damp-proofing wall membranes
- Can be used as the flooring membrane within a Newton System 500 waterproofing specification if specified by a trained waterproofing surveyor (see Limitations below)

### SPECIFICATION

Newton Waterproofing Systems are in partnership with RIBA NBS who publish details of our products and systems within their specification clause library to allow Architects ease of specification through their NBS Plus interface.

NBS clauses can be accessed via the technical resources area of the web site where a live NBS Feed is available at [NBS Plus Live Feed](#)

Our website has drawings available for download here [Technical Drawings](#) and a selection are also available via [FastrackCAD](#)



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## High Grade Flooring Membrane

### SUITABLE FLOOR COVERINGS

- Screed
- Tongue & groove particle boards
- Laminate flooring
- Sports floors
- Moisture sensitive timber flooring

### FLOOR PREPARATION

- Brush the floor clean
- Remove any sharp protrusions
- Fill all non-structural cracks above 1mm wide
- All structural cracks should be repaired or treated
- Any holes or indentation should be filled with a suitable filler