



The Arndale Centre, Manchester

Waterproofing the Arndale Centre Digital Screen

The Project

The successful installation of this 6m x 20m Barco digital LCD screen, recessed into the West elevation of the Arndale Centre, Manchester, was a highly complex project that was facilitated by Newton Specialist Basement Contractor [Trace Basements](#).

The Solution

Working in association with Structural Engineers and facade specialists Eckersley O'Callaghan, designers of the iconic New York 5th Avenue Apple Store, the project involved the removal of thirty-six glazing panels, thus compromising the thermal and weather line of the building.

Working to the Engineers' details, Trace developed and constructed:

- A new internal timber floor, wall and deck structure to encapsulate the area behind and above the screen;
- This then received insulation with associated vapour barriers, fire compartmentalisation details, and;
- Continuous waterproofing, enveloping and protecting what is now an external area behind the screen.

The requirements upon the waterproofing materials were exacting, including the satisfaction of criteria for the surface spread of flame. All were met by the Newton Waterproofing products employed, with liquid waterproofing membrane Newton Acriflex Winter, and protective waterproof coating Newton Floorgum Paint both expertly installed by Trace Basements.



Newton Acriflex Winter and Newton Floorgum Paint were applied.



Trace Basements expertly installed Newton products.



"We could not have successfully completed this project without a flexible and proactive contractor, able to continuously deliver results under pressure in what were often difficult working conditions. When issues arose Trace assisted wherever they could, including where those issues did not fall directly within their remit"

- Joe Arshed, MediaCo

The Products

NEWTON 201 ACRIFLEX WINTER

[Newton 201 Acriflex Winter](#) is a two component waterproofing liquid membrane based on cement, water based acrylic resin, for the waterproofing of podium decks, flat roofs, balconies, parking areas and terraces.

NEWTON FLOORGUM PAINT

[Newton Floorgum Paint](#) is a single component liquid coating formulated with water- based resins.



The digital screen was recessed into the building and fully weatherproofed.



A new internal timber floor, wall and deck structure was required.

Newton Specialist Basement Contractors

Newton recommends that our systems are installed by one of our nationwide network of Newton Specialist Basement Contractors (NSBCs). Trained by Newton, NSBCs offer a full guarantee on the design and installation, and can act as Waterproofing Design Specialists.



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