

McNealy Brown Limited are pleased to announce the recent award of official design and installer approval by the Polyvision Corporation

Polyvision

Perfect for LUL
Tunnel Lining
Systems!

McNealy Brown

LIMITED

SPECIALIST STEELWORK FABRICATORS • ARCHITECTURAL METALWORKERS • DESIGN & INSTALLATION ENGINEERS

Polyvision is a globally standardised product with an estimated 200 million square metres already in use, installed in a multitude of variations and locations. By definition Polyvision is a 'Ceramicsteel' which is a substantially vitreous or glassy inorganic coating bonded to metal by fusion at temperatures above 800°C. The end result is an ultra-smooth and virtually indestructible surface ready for fabrication.

A key application of Polyvision is **tunnel lining systems**. Sheets of Polyvision can be ordered cut to any size and due to the flexibility of the material it is ideally suited to emulate the radius of an existing tunnel environment. Consequently McNealy Brown Limited, through various stages of design development, constructed a model prototype in order to replicate all potential installation circumstances that may be encountered within an **LUL platform or subway environment**.

The 'Unistrut' sub-structure (if required) can be fitted to any tunnel lining and forms the support for all adjustable bracket components which in turn accepts the Polyvision sheets. The Polyvision sheets are clip fitted for ease of removal during maintenance and the cover strips, flashing and gutters which complement the Polyvision can be supplied either in self colour stainless steel or polyester powder coated as required. The result is a tunnel lining system which is simple to install and has improved durability compared to conventional methods, whilst also incorporating a full water management system.

The additional advantages which Polyvision panels present are as follows:

- Durable and Hardwearing.
- Non porous and low maintenance.
- Scratch, fire, graffiti and chemical resistant.
- Anti-Static so as not to 'attract' dust particles.
- Colourfast – does not fade.
- Non-corrosive.
- Available in wide variety of colours and finishes.
- Available with silkscreen finishes offering a full range of colour graphics from maps and signs to art reproductions.
- 99.9% recyclable.
- Contains no VOCs.

1 Uni-Strut sub-structure



2 Folded gutter section – Water Management System



3 Rolled 'Top Hat' section to receive Polyvision



4 Vertical strut with clips



