



Fast and Effective
Safety Solutions

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USA's leading supplier of ADA approved Detectable Warning Surfaces



Quality Exterior Products (QEP) Corporation source quality products from some of the world's most reputable manufacturing companies.

Our mission is to try, to aid disadvantaged people by creating employment opportunities for them. The employment opportunities we create could take the form of engaging them in our manufacturing process, distribution of products, or installing products we produce. The range of Visul truncated dome warning surfaces has provided work for visually impaired employees across the USA.

Visul's range of truncated dome warning systems has performed consistently in a full range of test procedures as well as in application. Products are used and approved by highways, rail, commercial and industrial providers across the world.

QEP endeavor to provide a high quality service in all areas from technical support, order response, customer service through to after sales support.

Did you know?

There are approximately 15 million blind and partially sighted people in the US alone – 5% have no sight at all.

Resources and technical ability has allowed QEP to work closely with manufacturers to develop a market leading range of products, employing strict QA criteria to bring consistently good quality products every time.

Quality Assured

QEP recognizes the importance of being an active member of specialist organizations. This allows QEP to keep in close contact with the latest industry developments. It also helps to join with others to introduce changes in performance, technology, quality standards and best practice which will benefit all stakeholders in a particular aspect of construction.

“ I appreciate the on time delivery, installation demonstration & visually pleasing product. Source: Keenco Construction ”

Visul Off Street/Platform Edge Warning System

The Off Street Platform Edge profile has been designed to cater for the growing demands of ADA (Americans with Disabilities Act) compliance within rail networks.

Visul flex stone panels has been widely adopted and approved throughout rail networks and has significant benefits:

- Speed of installation: 120 linear metres in 4 hours possessions
- No excavation
- Adheres to most standard surfaces
- Environmentally friendly – No noise pollution
- Outperforms concrete 7 times in wear testing (Tiles do not crack like concrete)
- High anti slip properties
- SRV tested
- No 'hot' works – Adhesive only application
- Rapid curing



Product Development

Visul Systems R and D Department have developed a tile which has successfully fulfilled the required criteria to pass surface spread of flame fume tests which is a stringent requirement for underground and undercover stations.

“The purpose of this surface is to advice visually impaired people of the edge of all offstreet railway stations.”

Visul Truncated Dome Surface for Pedestrian Crossing Points

Visul Systems have developed a co-extruded truncated dome surface which enables transport authorities and service providers to comply fully with ADA requirements.

Flex stone panels is available as red, buff or black in 2 ft x 1ft sizes.

Made from hard wearing stone and resin composite. The unique compound of the tile provides both rigidity and the flexibility to cope with undulations in existing surfaces prior to fixing giving significant benefits:

- No heavy plant required
- No excavation required
- Crossings can be completed in less than 2 hours, keeping pedestrian and traffic disruption to a minimum
- No cracking – Reduces trip hazards
- Hard wearing, more durable than concrete
- Skid resistance value (SRV) tested to a higher level than concrete
- Ultra violet (UV) tested for colour fade
- Specially formulated adhesive, tiles can be applied in 'damp' conditions

“A warning to visually impaired people who would otherwise in the absence of a curb upstand less than 25mm high, find it difficult to differentiate between where the footway ends and the carriageway begins. The surface is therefore an essential safety feature for this group of road users at pedestrian crossing points, where the footway is flush with the carriageway to enable wheelchair users to cross unimpeded.”



Visul Hazard Warning Surface

The Corduroy Hazard Warning system has been designed to comply fully with the Americans with Disability Act (ADA) and as illustrated offers the following benefits;

- Fast and clean to install means projects are carried out with minimal disruption and in a cost effective manner
- Using the specially formulated two part adhesive enables the tile to adhere to virtually any surface i.e. concrete, terrazzo, wood, metal, marble and ceramic
- Skid Resistance Value (SRV) tested and found to outperform anti skid surfaces



"The purpose of The Corduroy Surface is to warn visually impaired people of the presence of specific hazards; steps, level crossings or the approach to on street light rapid transport (LRT) platforms. It is also used where a footway joins a shared route, it conveys the message "Hazard proceed with caution"

Did you know?

Due to the absence of tactile paving up to 50,000 accidents were recorded in pedestrianised areas – Visal flex stone panels can help reduce this figure.



Visul Segregated Shared Cycle Track/Footway Surface

The cycle cord surface is used on a shared cycle ways and footpaths. The surface is used wherever the shared route begins/ends or crosses a carriageway. The tile 'ribs' are used by the visually impaired to identify the correct side of the route to enter, avoiding collisions with cyclists. The warning surface also conveys that shared route is ending or crossing a carriageway.

Did you know?

When moving around the pedestrian environment, visually impaired people will actively seek and make use of tactile information underfoot, particularly detectable contrasts in surface texture.



Visul Guidance Path Surface

The purpose of the guidance path surface is to guide visually impaired people along a route when the traditional cues, such as a property line or kerb edge, are not available.

It can also be used to guide people around obstacles, for example street furniture in a pedestrianised area.

The surface has been designed so that people can be guided along the route either by walking on the tactile surface or by maintaining contact with a long cane.

Installation Process

Step 01



Ensure surface is dry and sweep away loose debris

Step 02



Lay out tiles in correct format

Step 03



Carefully mask around the tile edge

Step 04



Remove tiles and place to one side

Step 05



Thoroughly mix adhesive

Step 06



Apply adhesive using a fine serrated float

Step 07



Carefully begin to lay the tiles

Step 08



Slightly roll, ensure that no air is trapped

Step 09



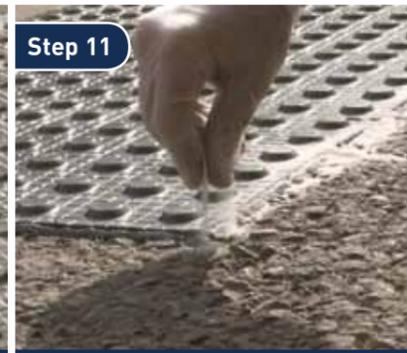
Press gently to bed in the tiles

Step 10



Carefully remove the masking tape

Step 11



Seal edge and apply kiln dried sand

Step 12



Use back of broom to sweep away sand

Process completed - ready to take traffic within two hours

Training

A labour saving and cost effective truncated dome solution:

- Product utilizes recycled materials
- No excavation required
- No land fill, no waste
- No heavy duty plant required
- Storage kept to a minimum

A fully comprehensive and certified training package is available:

- Health and Safety
- Product knowledge
- Application
- Installation DVD



Visul Truncated Dome Adhesive

QEP supply a solvent free rubber filled, urethane gap filling adhesives with excellent bond strength and non slump characteristics making them ideally suited for bonding of polyurethane tactile tiles to concrete, asphalt and steel etc.

The adhesive outperforms all other tactile fixing systems available today in terms of strength, durability and cost.

- Non shrink
- Solvent free
- No slumping, no primer required
- Excellent adhesion to a wide range of construction materials
- High bond strength
- Fast curing
- Colour matched to the tile
- Moisture tolerant version available for applications in 'damp' conditions, which extends the laying season and accommodates inclement weather conditions



Product performance and test data

V Pave truncated domes have been extensively tested to improve performance.

Testing has been carried out using controlled conditions at Visul Systems fully equipped laboratory and independently verified during numerous trials at locations worldwide.

- Tests conducted at the Transport Research Laboratory on product conditioned at 40°C found no measurable loss in height at the end of a scuffing test

- Fulfilled the required criteria to pass surface spread of flame test and fume tests (required for underground stations)
- Surface skid resistance at 61, well within the preferred range set by the Joint Mobility Unit
- Building and Investigation Testing Service (Redhill) conducted a comparative wear test against a concrete blister tactile slab and found the system had a wear resistance 7 times greater than the concrete product
- Manufactured to strict QA criteria

Other Safety Products

QEP Corporation supplies a range of specialist products which have been designed to meet particular requirements and market areas.

1 Visul Surface Edge Tile

A chamfered surface edge tile, designed to further minimize trip hazard concerns and maximize decorative appearance.

This type of system is developed in the same way as the standard truncated domes but adds a decorative finish.

2 Haz-Rib & Guide Rib

Our decorative ribs are used for the same applications as the truncated domes, to convey a hazard warning & guidance message to partially sighted pedestrians. These products have been designed for premises such as offices, banks, shops and hotels where a full tile is not desirable

The ribs are available in a range of colors or decorative aggregates to contrast but also harmonize, with existing flooring. The ribs are ideal to be laid on marble, ceramic and terrazzo flooring.

3 Glow-Guide & Glow-Rib

Our glow in the dark guidance products not only assists the partially sighted pedestrian but will also assist the fully sighted by acting as low-level lighting.

Glow-Guide will glow in the dark for up to 8 hours (dependent on charge) and assist in safe egress in an emergency situation e.g. a fire or explosion. Glow-Rib can be used along with Glow-Guide on stairs to assist in finding the stairs and making a safe ext.

4 Decorative Bark Tile

Our anti slip Bark tile has a specially designed surface texture to assist in pedestrian and wheelchair grip on access ramps thereby reducing or eliminating related slip & fall litigation.

The bark tile is available in a range of colors and finishes to meet customer requirements.

