

Lightweight Repair System for Rebuilding Vertical and Overhead Surfaces

All concrete deteriorates because of its porous nature and the weak electronic forces which hold the individual cement crystals together. Because these are easily broken, concrete is vulnerable to attack from abrasion, impact, vibration and chemicals.

- Carbonation of concrete leads to corrosion of steel reinforcement particularly where the concrete cover was originally inadequate.
- The polluted industrial atmosphere contains many aggressive substances which attack concrete.
- De-icing salt seriously damages road and bridge structures.
- Shrinkage cracks, due to excess water in the concrete mix, poor compaction, cavities and aggregate segregation, can make concrete permeable.
- Expansion of ice within the concrete can break and weaken the structure.

Belzona® 4141 (Magma-Build) is specially designed as a lightweight, high build repair system for concrete and stone allowing permanent repairs to be carried out quickly and with no form work or supports, and minimal access equipment.



VERTICAL WALLS



STONWORK



ROOF LEDGE



BRIDGES



CANOPIES



PUMP PEDESTALS

The Unconventional Alternative.

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BELZONA® 4000 SERIES MAGMA POLYMERS

Simplicity in Use

- Absence of solvents or water allow application to be carried out in damp, wet or low temperature conditions, indoors or outside.

Versatility in Application

- Lightweight allows easy application to vertical and overhead surfaces. Apply up to: 125mm (5 inch) on vertical surfaces, 75mm (3 inch) on overhead surfaces with minimal support during application.
- Suitable for use on all firm masonry surfaces.
- Can be tinted to match original substrate.
- Texture similar to natural stone.



AVAILABLE IN 8 KG. (17.6 LBS.) UNIT SIZE

Permanency in Service

- Does not absorb water. Will not be destroyed by frost or sub-zero service conditions.
- Solvent free nature means no shrinkage occurs during cure; no internal stresses are set up to cause premature breakdown, irrespective of thickness applied.
- Resistant to carbon dioxide; organic polymer base will not deteriorate or carbonate like cement based materials.

Protection for Encased Steelwork

- Impermeability to water means reinforcing steel is protected from corrosion.



BS EN ISO 9002 - 1994
Certificate No. Q/09335