



SOLUTION GUIDE FOR AIRPORTS

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QUICSEAL – Bluey in partnership for airport & civil engineering solutions!

QUICSEAL – a widely recognised and established brand in the South East Asia region, together with Bluey Technologies - an Australian-based firm specialising in civil engineering and airport solutions, is now in a collaborative effort to bring together a solution guide for the airports.

Solutions for Airports

Fast-Setting Concrete Repair

BluCem HE80AG

Early Strength Grout with Aggregate

BluCem HE80AG is a pourable, fast setting product suitable for civil engineering applications. BluCem HE80AG incorporates special cement systems, blended aggregates and advanced additives to form micro concrete which is C Class dual shrinkage compensated, and chloride free. The addition of aggregate allows the product to be batch mixed in agitators for large volume applications including road and runway repairs. BluCem HE80AG has been used on some of Australia's largest and most important infrastructure projects where time is a critical factor.



BluCem HB50

Rapid Setting Marine High Build Mortar

BluCem HB50 is a trowellable, highly durable product suitable for civil engineering applications. It incorporates marine grade cement systems and advanced polymer additives to form a cementitious mortar which is chloride and sulphate resistant,

C Class dual shrinkage compensated and potable water use approved. The product provides fast setting times and high chemical resistance which ensures repairs can be undertaken within tidal zones and other applications requiring fast return to service. BluCem HB50 is the ultimate high performance repair mortar where engineers require a positive outcome in the most difficult application environments.

Slab Reinstatement

BluCem FSC

Fast Set Cement Binder

BluCem FSC is a highly durable, CSA based, cementitious powder binder which is blended with aggregates to form a high early strength gain concrete. It is specifically designed to be applied using volumetric based continuous mixers. The powder blend has been formulated to eliminate segregation during transport and provide consistent, repeatable results throughout large volume applications. BluCem FSC is designed for use in construction of concrete structures and pavements where only a short window of time is available to complete the works and return the asset to service.



Expansion Joint

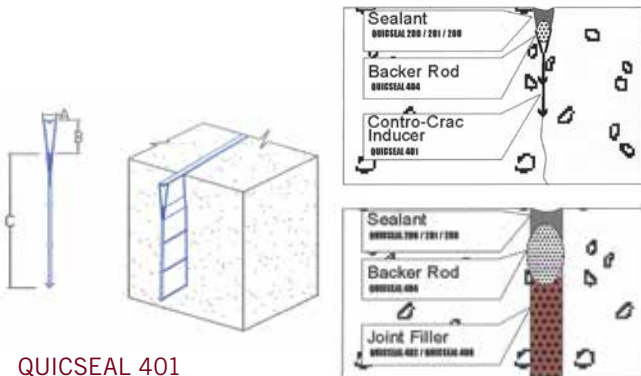
QUICSEAL 200

Fuel Resistant Pitch Free Concrete Pavement Joint Sealant

QUICSEAL 200 is a cold applied, two-part pitch free self-leveling elastomeric sealant designed to effectively seal all joints in concrete paved areas. The sealant has been formulated to accommodate repeated and pronounced cyclic movements in extremes of climatic conditions. It is resistant



to fuel, oil, skydrol spillage and hydraulic fluid. It will not become excessively soft or pick up in hot conditions. It complies to BS 5212: 1990 Types N, F, and FB and ASTM C920 classifications. It is suitable for applications to roads and runways, airport hardstandings, parking aprons subject to fuel spillage, concrete wharf areas, cargo and oil terminals, forecourts and car park decks.



QUICSEAL 401

Control Crack Inducer

QUICSEAL 401 is designed for controlled crack inducement and joint forming in airport taxiways, parking aprons and concrete paved areas. It is introduced where levelled groove edge is required to prevent concrete spalling caused by heavy point loading. The advantages include prevention of concrete chipping as these can be potential hazards to jet suction and reduction of the risk of random cracking in concrete

QUICSEAL 404

Closed Cell Backer Rod

QUICSEAL 404 is made of circular closed cell polyethylene foam designed as a back-up material for cold-applied joint sealants. It is ideal as a bond breaker for joint sealants as they do not adhere to the material. When used as back-up material, it acts as a bond breaker at the back of the seal while providing an ideal convex strain profile to receive the sealant, thereby preventing the build-up of additional stress at the contact interface and on the sealant during joint movement. QUICSEAL 404 is extruded to various diameters to accommodate a range of joint widths.

QUICSEAL 406

Polyethylene Joint Filler Board

QUICSEAL 406 is a compressible, rot-proof, bitumen-free, non-absorbent polyethylene joint filler for forming expansion joints in concrete, brickwork and blockwork. It is ideal for forming expansion joints in pedestrian areas, elevated structures, factory flooring etc, brickwork, basement structures and subways, reservoirs, and concrete structure in marine environment

Crack Repair

BluRez 111

Ultra Low Viscosity Epoxy Injection Resin

BluRez Epoxy 111 is a two component epoxy liquid which requires only mixing to form an ultra low viscosity injection resin, and is used for structural injection and grouting repairs, general concrete repairs, as a primer for porous concrete or as a sealer for floor toppings. The product is designed to offer fast injection application and specially developed to bond to both dry and damp surfaces. Extremely high structural properties including compressive strength, tensile strength and bond make BluRez 111 a reliable choice for challenging, high performance project applications.

BluRez 302LV

Low Viscosity Epoxy Injection Resin

BluRez 302LV is a two component, low viscosity epoxy resin for injection sealing of cracks into dry and damp cracks, and provides good water resistance and protection against chemical attack. The product is designed to offer fast injection application with high full-cure mechanical properties. Extremely high compressive strength, tensile strength and bond make BluRez 302LV a reliable choice for challenging, high performance project applications. Before injection of BluRez 302LV, cracked lines should be sealed with BluRez 304 Epoxy Putty.





QUICSEAL is a leading manufacturer and supplier of specialty construction materials. We continually strive to improve ourselves by the constant pursuit of innovation, service excellence and quality with our state-of-the-art Research & Development centre, and highly dedicated and experienced personnel.

Accredited with ISO 9001:2008 Quality Management and ISO 14001:2004 Environmental Management certification, we are a corporate member of the Singapore Green Building Council (SGBC) and supply Green-Label certified materials under Singapore Environment Council (SEC) to express our support for the sustainable built environment

We provide a wide and comprehensive range of solutions and systems for specific needs of construction, which includes the following areas:

- **Waterproofing, Sealers, Water Repellants**
- **Tile Adhesives, Mortar Additives, Stone Treatment & Protection**
- **Stain Removal**
- **Repairs & Refurbishments**
- **Flooring, Resurfacing & Restoration**
- **PVC Profiles & Joint Construction**

Customers' confidence and support were well reflected with the many projects completed locally and overseas such as Gardens By the Bay, Esplanade Theatres, Fullerton Hotel, Park Hyatt Maldives Hadahaa (Maldives), Double Pool Villa, Banyan Tree (Phuket, Thailand), Elements Mall (Hong Kong) etc.

Established since 1988, QUICSEAL has developed into an established and much trusted brand in Singapore and throughout the region. We are easily available through our wide network of distributors in not only Singapore, but Malaysia, Indonesia, China, Hong Kong, Taiwan, The Philippines, Pacific Islands, Cambodia, Maldives, Myanmar, Thailand, Vietnam, Brunei, Sri Lanka and others.

QUICSEAL is part of the Ardex Group since 2012.



Bluey Technologies Pty Ltd is an Australian-based supplier of construction products for major civil engineering infrastructure works. The Bluey business brings together a great mix of experience, resources, systems and knowledge to create value for your project. Bluey staff are able to work through issues in the early design phase of a project to provide practical cost saving results. Bluey has provided product solutions and project management services for some of the most significant Civil Infrastructure projects in Australia.

Bluey is proud to provide a range of quality products with a preference for local manufacturing. Not only is this good for the economy but it also ensures on-time delivery for our customers. Our in-house local experience and engineering knowhow will ensure that our products are correctly installed to save you time and money.

- **Concrete repair**
- **Concrete protection**
- **Waterproofing and water retaining**
- **Ground support**
- **Grouting**



Rapid strength grouts
Flowable grout
Fast setting grouts
PT grouts
Repair mortars
Shotcrete
Floor leveling



GRP soil rails
Anchors and bolts
Strata support spray coatings
Steel rock bolts



Cast-in linings
Tunnel linings
Dam linings
Strata support



Structural epoxies
injections resins
Ground stabilisation

Bluey deliver...

- Civil engineering developed products
- Product technical knowledge
- Site application knowhow
- A collaborative approach
- Economical solutions for large projects



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