Construction Grouts

We are renowned for our industry-leading, pre-blended cementitious grouts, which offer high strength, low heat of hydration and minimal shrinkage. From General Purpose to Ultra High Strength, our grouts have been used on projects of all scales, including the Leadenhall 'Cheese Grater' Building in London.

Concrete Installation

From general purpose concrete to specialist blends for tasks such as the bedding of pre-cast concrete wall segments or packing and filling holes made for bolting sockets. Pozament installation concretes offer the required performance for the most demanding structural work in building construction projects.

Hydrotite® - Hydrophilic Rubber Water Stop

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If you have any questions about choosing right product for your particular job, or if you are ready to order, please call us on:

08444 630 046

Pozament – Tarmac Building Products Ltd
Swains Park Industrial Estate
Park Road
Overseal
Derbyshire
DE12 6JT

Tel: 08444 630 046
Fax: 08443 099 703
Web: www.pozament.co.uk
E-mail: pozament@tarmacbp.co.uk

Other concrete products

Fairing Coat Mortar

A polymer modified low-flying material specially formulated to provide maximum control of finishing operations. It is ideal for applications to concrete surfaces which are to receive a compatible protective coating. It ensures that surface, appears as cleaned by laser sand blasting or to be void of any surface contamination:

• Fast hardening
• High polymer content – enhances surface hardening
• High build strength
• Cost effective – newly constructed, preexisting concrete, and high performance concretes

Cemrok Sprayed Concrete

The Pozament Sprayed Concrete Product Range offers a variety of materials for both dry and wet spraying applications. Produced from blends of quality assured portland cement, plasticisers, crushed and graded fillers, our Sprayed Concretes are suitable for projects including rock face and mine working stabilization, tunnel repairs and liner protective, general refurbishment and architectural profiling and much more.

Use the product selector below to find the right blend for you. Alternatively, call details included for more information or visit www.pozament.co.uk

Fairing Coat Mortar

Fairing Coat Mortar

25kg

CONCRETE REPAIR

Self-smoothing and Self-compacting

Provides a good key to smooth substrates

Improves durability of the render system

Easy to apply, just add water

Available in 25kg bags.

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Tarmac - Building Projects

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BSEN 1504 Repair Mortars and Concretes

Visit the website:
Pozament has developed a range of high specification concrete repair products compliant with the stringent requirements of BS EN 1504 for both structural and non-structural repairs. Independent testing of the products includes compressive strength, adhesive bond strength, carbonation resistance, elastic modulus and thermal compatibility. The range, where required, carries the appropriate CE Mark and all products are designed to be easy to use and provide a long term repair.

**Readily Available Nationwide**

The Pozament concrete repair range is available through all major distribution outlets. A flexible delivery network can ensure fast stock availability for larger projects.

**Essential Technical Specification**

Our concrete repair materials feature an innovative blend of ingredients, providing a range of characteristics to suit all applications and perform in compliance with the BS EN 1504 British standard for concrete repair as well as being CE marked.

**Proven Reliable Performance**

The Pozament brand has been synonymous with versatile, innovative, high quality cementitious products for over 50 years. Our range of over 300 individual products including pre-blended materials that have been used on everything from relatively individual projects to iconic landmark projects such as the Channel Tunnel Rail Link, The Library of Birmingham and The Shard.

Independent testing of the products includes compressive strength, adhesive bond strength, carbonation resistance, elastic modulus and thermal compatibility. The range, where required, carries the appropriate CE Mark and all products are designed to be easy to use and provide a long term repair.

All the relevant product data sheets are inserted at the back of this brochure and are available to download online at www.pozament.co.uk, where you can also find out about the wider range of cementitious solutions from Pozament.
**Easy Patch Mortar**

A blend of ordinary and specialist cements, high quality graded aggregates and a unique combination of polymers and admixtures designed for concrete repairs. When mixed with water it produces a putty like mortar with excellent wash out resistance and a powerful bond onto wet concrete substrates.

- Rapid setting, easy-to-use concrete repair mortar
- Designed to provide a powerful bond onto wet concrete
- Can be used in moderate water conditions but should not be used or placed under water
- Suitable for both hand and machine applications
- Contains no chlorides

<table>
<thead>
<tr>
<th>Compressive Strength (N/mm²)</th>
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<tbody>
<tr>
<td>1 hour</td>
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<tr>
<td>3 hours</td>
</tr>
<tr>
<td>1 day</td>
</tr>
<tr>
<td>28 days</td>
</tr>
<tr>
<td>WSR</td>
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<tr>
<td>Pot Life</td>
</tr>
<tr>
<td>Yield/25kg</td>
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<tr>
<td>Yield/tonne</td>
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<tr>
<td>Shrinkage</td>
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</tbody>
</table>

**High Performance Repair Mortar**

A pre-blended cementitious concrete repair mortar, specifically designed for hand applied concrete repairs, which contains acrylic co-polymers and polypropylene fibres to ensure an extremely high bond in wet conditions and to provide high build qualities. When mixed with water it produces a putty like mortar with excellent wash out resistance. For use in the repair of highway structures, i.e. bridge columns, deck soffits, beams, abutments, parapets and retaining walls. Also in marine structures, viaducts and RC framed buildings.

- Designed to comply with Highways Agency BD 27/86 clause 6
- Can be used in wet conditions but should not be placed underwater
- Rapid set combined with thixotropic additives and fibres allows thicknesses in excess of 200mm to be progressively built up and finished. Suitable for tidal conditions
- Contains no chlorides
- Equivalent sodium oxide content is less than 3Kg/m3
- Fibre reinforced – resistant to micro cracking
- Shrinkage compensated – reduced risk of cracking, high bond strength
- Polymer modified – resistant to ingress of water, carbon dioxide, chlorides etc
- Single component – easy to use

Call our sales and order hotline on: 08444 630 046
High Build Mortar

A cementitious low density, high build, shrinkage compensated patch repair mortar incorporating 3mm fibres. It is easy to use, requiring only the addition of water, for fast, high build repairs with enhanced strength. Designed for the rapid reinstatement of both vertical and overhead repairs to concrete.

- Low slump properties enable use in high build applications
- Shrinkage compensated with added fibres for crack resistance, suffering no loss of integrity
- Polymer modified and therefore resistant to the ingress of water, chlorides, carbon dioxide etc
- Early cure time so it can be quickly overcoated with minimum delay, reducing the need for form-work
- Gives an excellent bond to the concrete substrate
- Can be placed by trowel, float or hand and even by the wet spray process

<table>
<thead>
<tr>
<th>Fresh Properties:</th>
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<tbody>
<tr>
<td>Fresh Wet Density</td>
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<tr>
<td>Initial Set</td>
</tr>
<tr>
<td>Final Set</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Hardened Properties: Compressive and Flexural Strength (at 18-22°C N/mm²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 day</td>
</tr>
</tbody>
</table>

Available in 25kg bags.

Low Temperature Repair Mortar

A pre-blended, cementitious shrinkage compensated, rapid setting flowing grout for use where a rapid return to service is required in cold environments. Designed for bedding and repair applications requiring a rapid early strength gain, in areas where ambient temperatures are low. It can be used in areas down to -20°C and can be opened to traffic after just 30 minutes at 5°C.

- Controlled quick setting and high early strength
- Shrinkage compensated
- Single component – easy to use
- Workable at low temperatures
- Pre packed – reliable results
- Compatible for use with concrete, brick and stone substrates
- Ideal where Portland cement based products cannot be used

<table>
<thead>
<tr>
<th>Compressive strength at 20°C N/mm²</th>
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<tbody>
<tr>
<td>1 hour</td>
</tr>
<tr>
<td>15</td>
</tr>
<tr>
<td>WSR</td>
</tr>
<tr>
<td>Pot Life</td>
</tr>
<tr>
<td>Shrinkage</td>
</tr>
</tbody>
</table>

Available in 25kg bags.
Flowing Repair Concrete

Blends of low alkali Portland cements, micro-silica and other cementitious binders combined with high purity limestone aggregates and a system of compatible admixtures. When mixed, a fluid self compacting shrinkage compensated pourable concrete is achieved that will neither bleed or shrink. Available in standard and rapid set variations, for the structural repair of concrete carriageways, runways, bridge decks and bedding in precast concretes and metal works.

- Contains no chlorides
- Shrinkage compensated in both the plastic and hardened states
- Equivalent sodium oxide content is less than 3kg/m³
- Single component – easy to use
- Self compacting – does not require vibration
- Pourable – easy to place in shuttering
- High strength – can be used for structural repairs
- Low permeability – prevents ingress of chlorides, acid gases and water

Rapid Set Flowing Repair Concrete Only:
- Return to service in 1.5 to 2 hours (20°C to 27°C)

Plug

Pre-blended cementitious wall tie sealing compounds, often called plugging mortars. The plastic shrinkage characteristics are low and the set compound affords a high level of resistance to sulphates and other chemical attacks when fully cured.

High Performance Plug is a blend of special high surface area cements and graded ultrafine aggregate fillers has the added benefits of being ultra rapid setting with high early strength for use underwater or in wet areas.

- Quality assured raw materials and specialist chemical modifiers
- Rapid set and anti-washout properties
- Chloride Free

High Performance Plug Only:
- Powerful bond onto wet concrete substrates below the water line
- Fine particle size allows for feather edging of small repairs
- Ultra rapid set and strength development
- Non-toxic and environmentally compatible to marine environments

Available in 25kg bags.
Case Study

Spaghetti Junction

Our Concrete Repair Products have been used across the UK for over 50 years. From concrete carriageways to airport runways and taxiways, concrete bridge decks, structural supports and precast concrete structures in a wide variety construction projects.

When it comes to structural support, they don’t come much bigger than the iconic ‘Spaghetti Junction’ in Birmingham. Officially named the Gravelly Hill Interchange, this pioneering solution to connecting the M6 motorway to Birmingham’s busy road network earned its nickname thanks to the ‘spaghetti like’ birds-eye view created by the dramatically intertwining elevated road structures that link the various carriageways.

- The most complex junction on the UK’s motorway network
- Opened on 24th May 1972
- 13.5 miles of elevated road, bridge and flyover
- 559 concrete columns reaching up to 20ft high (24.4m)
- Serves a total of 18 different routes
- An average of over 210,000 vehicles per day pass through
- Covers around 30 acres in total area

Now over 40 years old, Spaghetti Junction requires ongoing repair and maintenance and has undergone major repair work several times since its unveiling, owing to the very heavy traffic through the junction, the impact of salt and grit weakening the joints in the structure and just general degradation over time. During repairs, old concrete is cut out using water pressurised at 16,000 psi. The requirement is then for high performance, rapid setting, repair concretes such as those across the Pozament Concrete Repair Products to provide the solid long term repair solutions.

Associated Pozament products are independently tested and approved in compliance with various Highways Agency Specifications. Most recently our Construction Grout has been approved for the Highways Agency’s long term repair and maintenance project for Spaghetti Junction over the next 20 years.

“With continued maintenance and repair, we expect Spaghetti Junction to have a long future.”

Tim Harbot
Highways Agency Regional Director for the Midlands
### Other concrete products

#### Construction Grouts

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#### Concrete Installation

From general purpose concrete to specialist blends for tasks such as the bedding of pre-cast concrete wall segments or packing and filling holes made for bolting sockets. Pozament installation concretes offer the required performance for the most demanding structural work in building construction projects.

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### Fairing Coat Mortar

A polymer modified levelling material specially formulated to improve the performance of plain levelling mortars by eliminating water loss, voids and cracks. The Fairing Coat Mortar is a single component, self-smoothing and self-compacting. It can be applied to concrete surfaces which are to receive a compatible protective coating. It improves the surface appearance of concrete by filling fine surface cracks and tolerates slight settling of the surface.

- High polymer content - reduces water loss
- High polymer content - improves surface bonding
- Self-smoothing and self-compacting
- Cost effective – easily over-coated, preventing excessive consumption of coating
- Fair faced finish

Available in 25kg bags.

<table>
<thead>
<tr>
<th>Component</th>
<th>Amount</th>
<th>Water</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fairing Coat Mortar</td>
<td>25kg</td>
<td>60%</td>
<td>30kg</td>
</tr>
</tbody>
</table>

### Cemrok Sprayed Concrete

The Pozament Sprayed Concrete Product Line offers a wide variety of products for both dry and wet-sprayed concrete applications. Produced from blends of high quality portland cement, micro silica, plasticisers, crushed and graded fillers, our Sprayed Concretes are suitable for projects including rock face and mine working stabilisation, tunnel repairs and general protection, general refurbishment and architectural profiling and much more.

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- High compressive strength
- Fast hardening
- High polymer content - improves surface bonding
- Low heat of hydration
- Cost effective - easily mixed, prevents expensive consumption of cement
- Fair faced finish

25kg bags available.

Cemrok Sprayed Concrete

The Pozament sprayed concrete product range offers a variety materials for both dry and wet shotcrete applications. Produced from blends of quality assured ingredients including portland cement, microsilica, plasticisers, crushed and graded fillers, our Sprayed Concretes are suitable for projects including rock face and mine working stabilisation, tunnel repairs and liner protection, ground reinforced earth and architectural profiling and much more.

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Fairing Coat Mortar

25kg bags available.

Cemrok Sprayed Concrete

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Improves durability of the render system

Easy to apply, just add water

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