



Segmental Bonding Paste

This material is applied to segment joints, it provides a watertight seal and prevents the intrusion of water and de-icing salts. At the same time, it prevents the grout from bleeding across the joints. In the long run, it minimises structure failure and reduces repair costs.

ARDEX CE 501 Segmental Bonding Adhesive

A two-component, epoxy-based adhesive for bonding of concrete elements. The product is tolerant to dampness, highly thixotropic and it complies to FIP 9/2 test standard.

Load Bearing Grout

The grout provides load bearing support and allows uniform load transfer between the substructure and superstructure of a bridge.



QUICSEAL 511 Non-Shrink Grout PG

A pre-packed, dual-shrinkage compensated cementitious grout that has high fluidity, low permeability and gives a high ultimate compressive strength.

ARDEX CE 828 Structural Micro Concrete

A pre-packed, dual-shrinkage compensated cementitious grout that has low permeability to chloride ingress, gives a high ultimate compressive strength and allows deep pour as a micro-concrete.

Post Tensioning Grout

When using the pre-stressing construction method, a post tensioning grout is required to fill all the voids around the tendons to protect them from corrosion.



ARDEX CE 901 / 902 Ultra Flow PT Grout / Additive

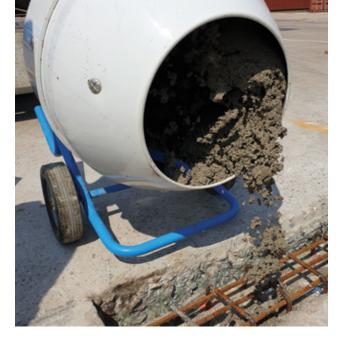
Both the pre-packed powder and additive form of this grouting material complies to BS EN447 test standard. This grout is highly fluid, has negligible bleeding and does not cause segregation. It is a very dense material which helps to fully encapsulate the duct and protect the tendons from corrosion. It also has low permeability and is free of metallic expansion agent, thus eliminating the risk of hydrogen embrittlement.

Concrete Curing Compound

This is a moisture retaining coating that helps to improve curing of concrete by minimising water loss during curing, thus resulting in lesser cracks on the concrete surface.

ARDEX P 507 Water-Based Primer and Curing Agent

ARDEX P 507 is easy to apply by spray or roller, and can receive subsequent topping or coating without mechanical removal.



Concrete Repair Grout

For the long-term durability of concrete elements, it is important to repair it with the right product at the stage of discovery and prevent further deterioration.

ARDEX CE 826 Rapid Curing Structural Micro Concrete

ARDEX CE 826 is a pourable, fast setting product suitable for civil engineering applications where high early strength is required. Incorporates special cement systems, blended aggregates and advanced additives to form a 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 such as ports, roads and runway repairs including airport lighting trenches. The product is chloride and sulphate resistant and has been used on infrastructure projects requiring fast return to service.

QUICSEAL 510 Non-Shrink Grout / 511 Non-Shrink Grout PG



Highly flowable and pumpable grouts that are suitable for:

- · Honeycomb repair
- Bridge bearing plates
- Pre-cast concrete panel joints
- Stanchion baseplates
- Tie-bolt holes



Structural Repair Mortar

A failure to repair a structural element will definitely pose danger to the overall safety of users.

ARDEX CE 707 Sprayable High Build Shotcrete

ARDEX CE 707 incorporates graded aggregates and advanced cement additives to create interlocking during dry spraying to build depths of several hundred millimetres in one pass. This creates a structural repair mortar with low drying shrinkage, low electrical resistivity and ultra-low chloride permeability.

QUICSEAL 515

Polymer Modified Structural Repair Mortar

QUICSEAL 515 is a fibre reinfored, thixotropic repair mortar. It has ultra low shrinkage, high ultimate compressive strength and allows high build of material, up to 40mm per layer.

Anti-Carbonation Coating

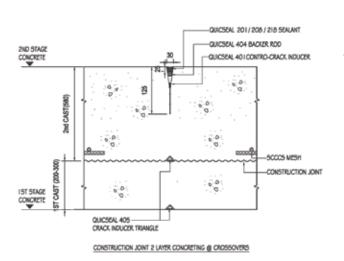
When exposed to the carbon dioxide in the atmosphere, or in the presence of moisture or water, concrete structures may go through the process of carbonation in a less alkaline state around the reinforcing steel, resulting in corrosion. This can pose a great danger to the integrity of the structure. Anticarbonation coatings are surface treatments that have a high resistance to carbon dioxide, thus protecting the concrete from carbonation.

ARDEX WPM 335 External Anti-Carbonation Façade Membrane

A semi-permeable membrane which allows wall surfaces to breathe, and prevents moisture, salt, chloride, and carbon dioxide attack. It inhibits fungi and algae growth, provides excellent UV resistance and long term protection from atmospheric elements. Suitable for use at pier, pier caps, and viaduct segments.



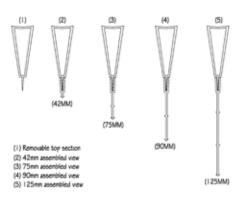
Crack Inducer

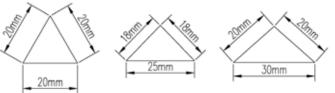


Crack inducers, as the name suggests, are pre-formed materials for controlled crack inducement and joint forming in concrete paved areas in railway tracks, airport aprons etc. Primarily, it helps to reduce the risks of random cracking in concrete.

QUICSEAL 401 Contro-Crac

It is made of high impact rigid, polyvinyl chloride (PVC) material, and is usually inserted into the joint groove while the concrete is still wet. It comes in 4 different depths – 42mm, 75mm, 90mm, and 125mm and the depth to choose is typically 1/3 to 1/4 of the overall depth of slab.





QUICSEAL 405 Crack Inducer Triangle

It is manufactured from specially developed unplastisized polyvinyl chloride (UPVC) materials very high impact strength and weather resistant properties. The installation is a simple 'stick them on' application. Simply lay the QUICSEAL 405 and use cement mortar to hold it in position. Proceed to complete the concreting of the paved areas once the holding mortar sets

Joint Filler

When forming a structural construction or expansion joints, joint fillers are necessary to fill up the gap between two concrete structures.

QUICSEAL 404 Backer Rod

A 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. It is extruded to various diameters to accommodate a range of joint widths.

QUICSEAL 402 Bitumen Impregnated Fibreboard

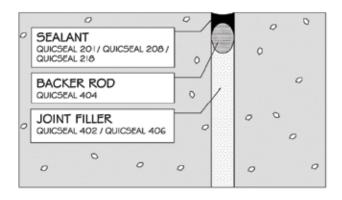
A compressible, non-extruding bitumen impregnated fibreboard for forming structural expansion joints in both concrete structures and precast concrete construction. It is installed against existing concrete at columns and against adjacent structures or flat work before the placement of the subsequent concrete.

QUICSEAL 406 Joint Filler Board

A rot-proof, non-absorbent polyethylene joint filler for forming expansion joints in concrete, brickwork and blockwork.

Joint Sealant

Joint sealing is important to minimise infiltration of surface water, isolate joint from fuels and de-icing chemicals, protect against spalling and dowel bar corrosion. It also helps to prevent incompressible (sand or hard particles) from entering the joint, and Foreign Object Debris (FOD) issues, especially in the airfields. Finally, it reduces pavement joint blow-ups, and if the correct joint sealant is chosen, it enhances the overall durability of the joints.



QUICSEAL 201 One Part Moisture Cure P.U. Sealant

A low modulus, elastomeric polyurethane (PU) based sealant that complies to ASTM C920 test standard. It is typically used as a construction sealant for cementitious building materials in precast concrete panels, window and door frames etc. This product is easily gun-able and can be painted over.

QUICSEAL 208

Two Part Polysulphide Joint Sealant

A cold applied, two-component polysulphide-based sealant that is fuel, oil, hydraulic fluid and chemical resistant. The material complies to ASTM C920 test standard and suitable for use in vehicular trafficable areas, chemical plants, roof concrete panels, concrete pavements etc.

OUICSEAL 218

Elastomeric Pavement Joint Sealant

A cold applied, self-levelling, two-component polysulphide-based sealant that is jet fuel and blast resistant. The material complies to BS EN 14188-2, BS 5212 and ASTM C920 test standards. The product has a long pot life and suitable for use for concrete pavements in airfields, roads and bridges. The product can be easily mixed, applied using QUICSEAL Universal Mixer, and QUICSEAL Application Machine, thus improving productivity.

Cycling Path Coating System

ARDEX CE 601

High Strength Coloured Coating

A single component, water-based road marking material composed of well graded aggregates and color-fast synthetic resins and pigments. When cured, it forms an elastomeric compound, which imparts good skid resistance, colour stability and superior adhesion on both concrete and asphalt surfaces. The color coating system is suitable on footpath, cycling tracks and pavements.

Semi-Rigid Pavement

ARDEX CE 910

Rapid Curing Semi-Rigid Pavement Grout

A one–component rapid curing grout which requires the addition of water to provide high resistance to wear and tear resulting from traffic loading. ARDEX CE 910 contains special cement systems and additives to significantly reduce the risk of shrinkage cracking and imparts high fluidity to fill the voids of the porous asphalt completely. It is suitable to use in a wide variety of challenging pumping and placement applications.



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PRODUCT LIST

QUICSEAL 201	One Part Moisture Cure P.U. Sealant	
QUICSEAL 208	Two Part Polysulphide Joint Sealant	
QUICSEAL 218	Elastomeric Pavement Joint Sealant	
QUICSEAL 510	Non-Shrink Grout	
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QUICSEAL 515	Polymer Modified Structural Repair Mortar	
ARDEX P 507	Water-Based Primer and Curing Agent	
ARDEX CE 501	Segmental Bonding Adhesive	
ARDEX CE 601	High Strength Coloured Coating	
ARDEX CE 707	Sprayable High Build Shotcrete	
ARDEX CE 828	Structural Micro Concrete	
ARDEX CE 826	Rapid Curing Structural Micro Concrete	
ARDEX CE 901	Ultra Flow PT Grout	
ARDEX CE 902	Ultra Flow PT Grout Additive	
ARDEX CE 910	Rapid Curing Semi-Rigid Pavement Grout	

PRODUCT TYPE	TYPICAL USE	PRODUCT NAME
Post Tension Bridge Bearing Pressure Grouting	Bridges, elevated slabs (buildings) Bridges, Flyovers RC Structures	ARDEX CE 901, ARDEX CE 902 QUICSEAL 511, ARDEX CE 828 QUICSEAL 510, QUICSEAL 511, ARDEX CE 828
Pavement Repair	Rigid Pavement, RC Structures	ARDEX CE 826, ARDEX CE 828
Segmental Bonding Adhesive	Segmental Bridges	ARDEX CE 501
Cycling Path Coating	Asphalt Concrete, Concrete	ARDEX CE 601
Anti-Carbonation Coating	Bridges, Flyovers, Parking garages, Industrial Structures	ARDEX WPM 335
Repair Mortar & Shotcrete	Marine Structures, RC Structures	ARDEX CE 828 ARDEX CE 707
Prime & Cure	Primer & Curing Compound	ARDEX P 507
Control Crack Inducement	Expansion/Contraction Joint	QUICSEAL 401, QUICSEAL 405
Joint Filler	Forms Joint	QUICSEAL 402, QUICSEAL 404, QUICSEAL 406
Joint Sealing	Seals Joint	QUICSEAL 201,QUICSEAL 208, QUICSEAL 218
Sem-Rigid Pavement Grout	Semi-Rigid Pavement	ARDEX CE 910

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