

# Construction Systems Product Selector 2025

**A Comprehensive Guide to Product Solutions  
for the Civil & Construction Industry**



# Inspiring People to Build Better

## Combining Global Innovation & Local Expertise to Create Tailor-Made Solutions

At Master Builders Solutions®, we are a leading global provider of responsible solutions for the construction industry, driven by our vision — *Inspiring people to build better*. We deliver value-added technologies and industry-leading R&D capabilities to enhance the performance of construction materials while enabling the reduction of CO<sub>2</sub> emissions in concrete production. Our comprehensive portfolio includes concrete admixtures, cement additives, and specialised solutions for underground construction, all under the trusted Master Builders Solutions® brand.

Through close collaboration across disciplines and regions, we leverage global innovations and deep local knowledge to develop solutions tailored to the needs of the construction industry. Drawing on experience from countless projects worldwide, we are committed to helping our customers achieve success and advance sustainable construction.

With a legacy dating back to 1909, Master Builders Solutions® has more than 1,700 employees and 38 production sites globally, including over 150 employees and 6 production facilities across Australia and New Zealand. We are dedicated to supporting our customers in meeting today's challenges and building towards a decarbonised future.

## Our Comprehensive Civil & Construction Portfolio

- Cementitious Repair Systems: Solving an array of problems, providing the ability to repair damaged concrete.
- Epoxy Repair Systems: High-quality repair epoxies for restoring and protecting concrete structures.
- Structural Strengthening: Delivers innovative systems for reinforcing and strengthening existing structures.
- Injection Systems: Precise injection solutions for sealing, reinforcing, and stabilising structures.
- Corrosion & Chemical Protection: Advanced systems to protect infrastructure from corrosion, extending the lifespan of structures.
- Performance Grouts: High-strength, durable grouts for a variety of infrastructure applications.
- Performance Flooring: Durable flooring solutions designed to withstand heavy traffic and harsh conditions.
- Ground Anchors & Soil Nails: Ground stabilisation and support for slopes, retaining walls, and excavations.
- Joint Systems: High-performance joint systems for effective sealing and movement accommodation.
- Waterproofing: Offers advanced waterproofing solutions to protect infrastructure from water ingress and damage.







# Concrete Repair Systems

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>CEMENTITIOUS MORTARS</b>				
<b>Trafficable</b> thin layer 0-3mm, <b>fairing</b> mortar for levelling damaged concrete surfaces	Trowel applied	Suitable for levelling uneven surfaces, filling honeycombs and pin holes. It can be used as a topping (render) of up to 3mm thick to face up masonry. Thin resurfacing of damaged concrete surfaces, such as in rain damaged slabs and for use in non-moving crack repairs.	MasterCrete 5140	MasterEmaco N 5100
Non-structural floor repair mortar for <b>overlay</b> applications	Trowel applied	Cementitious smoothing/fairing coat for non-structural applications to increase aesthetics of damaged/repared concrete structures.	MasterCrete 5135	MasterTop 505
Non-structural, high build, patch repair mortar with active corrosion inhibitor, up to <b>100mm</b> in one layer	Trowel applied	Repair of balcony edges, building facades, parapet walls, precast panels, and beam edges. Ideal for general, non-structural patch repairs where high build properties allowing up to 100mm thickness in one layer are required. Can be applied as a smoothing or levelling coat at only 5mm thick on large vertical and overhead areas to achieve a more aesthetic finish.	MasterCrete CI 5100	MasterEmaco N 102CI
Non-structural patch repair mortar, light weight, low shrinkage, active corrosion inhibitor, <b>coatable in 4hr</b> , <b>low resistivity</b> suitable for galvanic anodes	Trowel or wet spray applied	Repair of balcony edges, building facades, parapet walls, precast panels, beam edges and stair nosings, a smoothing or levelling coat at 3mm thickness on large vertical and overhead areas.	MasterCrete CI 5200	MasterEmaco N 5200CI
Structural patch repair mortar, low shrinkage, active corrosion inhibitor, low resistivity, <b>potable water approved</b>	Trowel or wet spray applied	Structural repair of low to medium strength (25-50MPa) concrete elements such as balcony edges, soffits and decks, window ledges, lintels and beams or anywhere where concrete structures need to be repaired or re-profiled by hand.	MasterCrete CI 5300	MasterEmaco S 5300CI
Structural patch repair mortar, <b>fast curing</b> , <b>low resistivity</b> , low shrinkage, reduced down time			MasterCrete 5350	BluCem HB50
Structural repair mortar, active corrosion inhibitor, 30-70 MPa substrate, high build, very low shrinkage, sulphate resistant, <b>potable water approved</b>	Trowel applied	For Structural repairs of: damaged concrete members, concrete members subjected to repetitive stresses, structural members (reinforced or pre-stressed beams under normal or eccentric stress), vertical, overhead and horizontal applications.	MasterCrete CI 5488	MasterEmaco S 488CI MasterEmaco S 5400CI
Deep pour engineered micro-concrete; low shrinkage with <b>low thermal resistivity</b> for filling of underbores carrying high voltage power cables, <b>potable water approved</b>	Pumped or form and pour	Micro-concrete, pumpable/pourable, 80MPa @ 28 days, very low shrinkage, high bond strength and thermal resistivity <0.5kW/m <sup>2</sup> ·K with low heat of hydration.	MasterCrete LH 5460	BluCem LH60 MasterEmaco S 5440CI
<b>Rapid setting trafficable</b> high strength repair mortar, low drying shrinkage, active corrosion inhibitor, trafficable in 45 minutes	Trowel or form and pour	Floor repair and overlay, pavement repair, traffic surface repair, repair to structural members including pre-stressed and post-tensioned elements, bridge deck and highway overlays, airport runway light installations, Full depth structural repairs, Expansion joint nosings, anchoring steel bridge and balcony railings, parking deck and ramp repairs, heavy industrial repairs.	MasterCrete FC 545	MasterEmaco T 545 MasterEmaco T 920
Structural mortar, <b>under water</b> application, low shrinkage, <b>rapid setting</b>	Trowel applied	Repairing eroded concrete or timber piles, sea walls, wharves, repairing leaks or joints in marine structures, concrete reservoirs, swimming pools, pipelines, well etc.	MasterCrete UW 902	MasterEmaco S 902

# Concrete Repair Systems

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
CEMENTITIOUS MORTARS				
Structural repair mortar for large volume applications, high build, high strength, active corrosion inhibitor, low shrinkage, <b>reduced down time</b>	Dry spray applied	Structural repairs of beams, columns and slabs, floor repair and topping, she-bolt hole repair, airport runways, repairs to the underside of bridge decks, bridge piers and beams, tunnels, drains, marine structures, sea walls, and culverts. Tunnel linings and embankment stabilisation.	MasterCrete CI 820	MasterEmaco S 820CI
Structural repair low resistivity spray applied mortar, large volume applications, high build, high strength, low shrinkage, suitable for galvanic anodes	Dry spray applied	Repairs to the underside of bridge decks, bridge piers and beams, tunnels, drains, marine structures, sea walls, and culverts where impressed current cathodic protection systems are used.	MasterCrete CI 822	MasterEmaco S 822CI
Premium structural repair mortar, large volume applications, high build, high strength, <b>low resistivity</b> for CP applicat			MasterCrete 855	BluCem HB 55
<b>Acid resistant</b> mortar and lining system, low drying shrinkage, high alumina cement based mortar (CAC), hand and spray applied versions	Trowel or wet/dry spray applied	Repairs to brick, cast in place concrete and precast concrete sewers, reinstating of linings of manholes and other access ways, tunnel linings or other places where resistance to acidic waters is required.	MasterEmaco S 620 MasterEmaco S 680 MasterEmaco S 682	MasterCrete CAC 620 MasterCrete CAC 680 MasterCrete CAC 682
<b>Fast setting</b> trafficable patching mortar, APS polymer technology, chemical resistance, impact and abrasion resistance, applicable in temperatures <b>-25 to 5°C</b>	Trowel applied	Fast repairs in: food and beverage industry, cold stores, freezers, rapid repairs to concrete slabs, supermarkets, airport runways and taxi ways, roadways, joint nosings.	MasterCrete 2040	MasterEmaco T 2040
<b>Crystalline</b> capillarywaterproofing mortar, for patch repairs and as render on old concrete surface, effective against positive and negative water pressure or osmotic pressure, potable water approved	Dry spray applied	Suitable for: water tanks, reservoirs, building basements and foundations, swimming pools and water parks, sewage and water treatment plants, dams, canals, tunnels, harbours, retaining walls and sea defense walls, concrete pipes.	MasterCrete WR 50I	MasterSeal 50I
PRIMERS AND BONDING AGENTS				
<b>SBR</b> polymer-based bonding and modifying agent, for concrete and mortars, for concrete & cementitious mortars	Brush, roller or spray applied	For use with cement as a bonding slurry, weather resistant exterior or interior renderings, floor screeds and toppings, or plasters for improved chemical resistance, repair of honeycombed and spalled concrete, beams and precast elements, and as a bonding agent.	MasterCrete PRI 157	MasterEmaco P 157
<b>Acrylic modified</b> cement based slurry bonding agent, as primer for both concrete and reinforcement steel, potable water approved	Brush or roller applied	Substrate concrete primer, compatible with repair mortars, with an added corrosion inhibitor and also for the protection of reinforcement steel.	MasterCrete PRI 5000	MasterEmaco P 5000AP
One component, <b>zinc rich</b> epoxy primer	Brush or roller applied	Zinc rich epoxy primer for protection of steel reinforcement in concrete repair applications	MasterCrete PRI 2500	MasterEmaco P 5000ZR

# Concrete Repair Systems

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>EPOXY REPAIR MORTARS AND ADHESIVES</b>				
Epoxy structural bonding agent for old to new concrete and repair mortars, <b>potable water approved</b>	Brush, roller or trowel applied	Structural bonding of new to old concrete, production of epoxy resin mortars to grout, bolt holes, rapid structural repair of concrete, grouting dowels, as primer and bonding agent for repair mortars requiring maximum adhesion.	MasterStrength 2525	MasterEmaco 2525
Thixotropic epoxy paste for repair of 0-5mm patches, structural adhesive and bonding agent, <b>potable water approved</b>	Brush, roller or trowel applied	Application to horizontal or vertical surfaces to fill rough surfaces to 5mm, as a primer for vertical surfaces, as a general-purpose adhesive for structural bonding and or repairing most material, bonding metal to metal, concrete, timber etc.	MasterStrength 1444	MasterBrace 1444
Thixotropic epoxy mortar for high build applications up to 25mm, structural adhesive for structural bond, bonding agent for MasterJoint 930 (FPO tape) system, <b>potable water approved</b>	Brush, roller or trowel applied	Structural bonding of precast elements, fixing injection ports for crack injection, bonding a wide variety of building and construction materials, as a repair mortar, may be mixed with kiln dried sands for deep repairs (>25mm), abrasion resistant lining or repair.	MasterStrength 1446	MasterBrace 1446
Thixotropic epoxy mortar for high build applications <b>up to 50mm</b> , structural grout for filling voids	Trowel applied	Bonding grouting and general repairs and small void filling of concrete or steel work.	MasterStrength 1475	BluRez Epoxy 575
<b>STRUCTURAL STRENGTHENING, EPOXY BONDING AND ADHESIVES</b>				
<b>Epoxy</b> bonding agent and primer in compliance with AS 5100.8:2017 Appendix A requirements	Brush or roller applied	For use as a primer for the concrete prior to the use of the MasterStrength 4000 adhesive (when used in conjunction with MasterStrength Laminates and Bar) as well as used for MasterStrength 4500 saturant (when used in conjunction with MasterStrength Fabrics)	MasterStrength PRI 3500	MasterBrace P 3500
<b>Structural epoxy adhesive</b> , for applications of carbon fiber laminates, rods and anchors, in compliance with AS 5100.8:2017 Appendix A requirement for CLS and CLM classifications	Brush, roller or trowel applied	Used as an adhesive for the MasterStrength laminates, bars and anchors to concrete, steel and wood and a filling compound for irregular surfaces.	MasterStrength 4000	MasterBrace 4000
High strength <b>epoxy saturant</b> , for application of carbon fiber fabrics, in compliance with AS 5100.8:2017 Appendix A requirement for CFS and CFM classification	Brush, roller or trowel applied	Used to saturate the MasterStrength carbon, glass or aramid fabric sheets to create in-situ FRP composite with the concrete structure.	MasterStrength 4500	MasterBrace 4500
High strength carbon fibre anchors, anchored section and dry fiber components, to be used in conjunction with laminates, fabrics or bar applications	Refer to: Application guide for MasterStrength	The anchor improves the efficiency of flexural and shear reinforcements with composite solutions (prefabricated fabrics and laminates). MasterBrace Anchor comprises two integral elements: an "anchored" section and a "dry fiber" component.	MasterStrength ANC	MasterBrace Anchor
High strength uni-directional carbon fiber <b>fabric</b> (200-900g/m <sup>2</sup> ) for structural strengthening applications, in compliance with AS 5100.8:2017 Appendix A requirement, composites available in carbon, aramid and glass fabrics	Refer to: Application guide for MasterStrength	Flexural, shear and axial strengthening elements including bridges, walls, beams, slabs, silos, chimneys, tanks, pipes, tunnels, piles etc	MasterStrength FIB	MasterBrace Fibre

# Concrete Repair Systems

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>STRUCTURAL STRENGTHENING, EPOXY BONDING AND ADHESIVES</b>				
High strength / high modulus carbon fiber laminates for structural strengthening, in compliance with AS 5100.8:2017 Appendix A requirements for <b>CLS (I&amp;2), CLM (I&amp;2)</b> classifications, <b>cost/time saving</b> solution- 2- sided peel ply, variety of sizes and grades available	Refer to: Application guide for MasterStrength	Used to increase the flexural capacity of beams and slabs, increase the general load-bearing capacity and to help reducing deflection of the overall structural element.	MasterStrength LAM	MasterBrace LAM
Ready-to-use pultruded carbon fiber rod in 8-16mm dial, in compliance with AS 5100.8:2017 Appendix A requirement for <b>CR</b> classification, suitable for <b>NSM</b> applications	Refer to: Application guide for MasterBrace	Can be used for slim or narrow architectural concrete, reduce deformation under working loads, increase the load-bearing capacity, increase the fatigue strength, improve the performance of cracked structures, ideal for use in aged structures. High tensile strength rods can be used for flexural reinforcement of concrete, masonry and timber elements	MasterStrength BAR	MasterBrace MBar
The Civil Master Builders <b>software</b> is a tool for personal computers developed for the calculation of different structural reinforcement products designed and produced by Master Builders Solutions. <b>Adopted to AS 5100.8:2017 Appendix A</b>	Cloud Based Design Software	Sets a new standard in the industry while fully compliant with the latest international guidelines, including ACI 440.2R, Eurocode 2 and adopted to AS 5100.8:2017 Appendix A.	MasterStrength CIVIL MASTER	
<b>INJECTION SYSTEMS</b>				
Structural epoxy injection system, solvent free, <b>very low</b> viscosity suitable	Injection	Developed specifically for use with the Structural Concrete Bonding Process (SCBP), structurally re-bonding cracked concrete sections, filling porous or honeycombed concrete or grout, anchoring bolts, dowels and reinforcing bars.	MasterFill ER I31 I	BluRez Epoxy III MasterInject I380
<b>Hydrophilic</b> polyurethane injection resin, highly flexible injection , single component, rapid foam and gel time	Injection	For pressure injection or gravity injection applications, can be used for sealing live structures	MasterFill PR I450	BluRez CSI50
Two component Polyurethane penetrating injection product, high foaming, <b>fast setting</b> , very low viscosity, expands by a factor of 30-50, <b>potable water approved</b>	Injection	Ultra low viscosity compound designed, for fine crack and fissure penetration. Polyurethane compound after mixing with a catalyst to form a water reactive resin of very low viscosity that expands by a factor of 30-50 to form a strong water stopping foam.	MasterFill PR I400	BluRez CSW

# Concrete Protection: Sealers, Coatings and Liners

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>PENETRATIVE SEALERS</b>				
Clear, undiluted silane-based sealer, deep penetration into concrete pores (3-8mm), no ingress of water and chemicals into concrete while its breathable, penetrative water repellent- No change of colour/look in substrate	Brush, roller or spray applied	For application to most of the cementitious, masonry and mineral substrates above ground, not subject to hydrostatic pressure, bridge decks, abutments, piers, soffits, etc, beams, columns and walls of buildings, exposed brick structures, car parks, marine structures. Thixotropic creme version available for vertical and overhead application or windy conditions to avoid wastage	<b>MasterShield PEL I 100</b> <b>MasterShield PEL I 150</b>	MasterProtect H 1100 (Liquid version) MasterProtect H 1150 (Creme version)
One component, penetrating water-repellent sealant with silane/siloxane technology for mineral surfaces	Brush, roller or spray applied	Economical, deeply penetrating, permeable to vapour, inhibits mould growth, reduces unsightly staining, easy to apply, easily re-coated, protects against rain penetration, inhibits chloride ingress, reduces risk of efflorescence, effective on old and new surfaces, helps preserve natural colour and texture. Effective to most cementitious substrates including brick and blockwork.	<b>MasterShield PEL 355</b>	MasterProtect 355
Surface-applied corrosion inhibitor designed to migrate through even the densest concrete structures and form a layer on the steel reinforcing bars protecting against chloride attack	Brush, roller or spray applied	For application to: all reinforced, precast, prestressed, post-tensioned, or marine concrete structures, steel-reinforced concrete bridges, highways, parking decks, ramps, and garages exposed to corrosive environments (carbonation, de-icing salts, and salt spray), concrete piers, dams, offshore platforms, piles, pillars, pipes, and utility poles, preventative maintenance, restoration, and repair of all reinforced concrete commercial and civil-engineered structures, cooling towers and water tanks.	<b>MasterShield CI 8020</b>	MasterProtect 8020CI
Dual phase hydrophobic silane and corrosion inhibitor penetrating sealer, low viscosity, clear liquid, 100% reactive, migrating to the reinforcing steel to provide an extra level of protection when it is most needed, sustainable solution for increasing the asset life cycle	Brush, roller or spray applied	Suited for the protection of: steel reinforced concrete, including cast-in place, precast, pre-stressed and post tensioned, building facades and balconies, parking structures, pedestrian walks, bridge decks and supporting elements (beams, columns, etc.), concrete docks and piers, marine and other high humidity environments not subject to hydrostatic pressure, external surfaces of concrete water structures such as tanks, dams, spillways and culverts, steel-reinforced concrete exposed to de-icing salts or salt water/chloride environments. Suitable for use in new construction and repair applications. Normally does not require removal prior to subsequent coating applications, so reducing downstream labor costs compared with other products.	<b>MasterShield CI 8600PEL</b>	MasterProtect 8500CI MasterProtect 8000CI
<b>ANTI-CARBONATION SYSTEMS</b>				
Water-based acrylic primer in anti-carbonation coatings, compatible with porous and non-porous substrates, vapour permeable	Brush, roller or spray applied	A water based acrylic primer used to prime mineral substrates prior to the application of MasterShield AC coatings.	<b>MasterShield PRI 155</b>	MasterProtect P 155
Architectural <b>anti-carbonation</b> coating, high-grade acrylic coating, UV resistant, vapour permeable, <b>decorative</b> wide colour range	Brush, roller or spray applied	For the long-term protection of concrete, mortar, masonry and natural stone facades, walls, bridges, balconies etc. against aggressive atmospheric attack including chloride ion or carbon dioxide ingress.	<b>MasterShield AC 150</b> <b>MasterShield AC 160</b>	MasterProtect 150 MasterProtect 160



# Concrete Protection: Sealers, Coatings and Liners

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>CATHODIC PROTECTION SYSTEMS</b>				
Embedded galvanic anode for the protection of reinforcing steel, engineered discrete zinc anodes encased in a proprietary mortar, prevents re-passivation of the zinc, optimise service life, integral pre-twisted galvanised tie wires, 3 different colours based on zinc weight for visual QA inspections	Refer to application guide	As a key component of a complete concrete repair strategy, the sacrificial zinc core generates a small electrical current as it is consumed, protecting the reinforcing steel from accelerated corrosion. Application where reinforced concrete or masonry structures will be repaired (interior or exterior), where chlorides are present in the structure, wherever corrosion of reinforcing steel is possible in post-tensioned, pre-stressed, or conventionally reinforced structures. Supplied in three zinc masses: 65g, 105g and 160g.	MasterShield CP 8065 MasterShield CP 8105 MasterShield CP 8160	MasterProtect 8065CP MasterProtect 8105CP MasterProtect 8160CP
Free-flowing <b>fast setting, low resistivity grout</b> , for embedding discrete anodes	Refer to application guide	Cementitious grout/mortar formulated for embedding discrete anodes used in impressed current cathodic protection installations of reinforced concrete.	MasterShield CP 816	MasterProtect 816CP
<b>CHEMICAL PROTECTIVE SYSTEMS</b>				
Anchor Knob Sheet HPDE <b>Corrosion Protection Lining, chemical resistant membrane</b> ; integral anchors to cast into concrete to form a flexible and durable corrosion, protection lining, range of colours and thicknesses, sustainable solution: 100-years service life	Approved applicators only	Fully welded homogeneous lining encapsulated in concrete or, grouted to substrate using flowable grouts; to protect new and existing concrete structures in chemically aggressive environments such as: Segmental sewer tunnels, Inlet works and bioreactor tanks in WWTP, Pump stations and manholes, Tunnel waterproofing, Chemical retention bunds, Piles and foundation lining in aggressive ground conditions, Sewer pipelines, Slide pads on pipe plinths, Concrete protection for industrial applications.	MasterShield AKS	BluSeal AKS
<b>Novalac</b> chemical resistant coating, for either new construction or for remediation and protection of concrete structures in aggressive environments, increase asset service life.	Brush, roller or spray applied	Epoxy resin applied to clean dry roughened concrete substrate in chemically aggressive environments.	MasterShield CHR 360	BluRez 333AR
Acid Resistant cementitious repair mortar, low drying shrinkage, high alkalinity and high build, sustainable solution:>50% crushed recycled Glass Aggregates	Trowel or wet/dry spray applied	Structural repairs and Protection of beams, columns and slabs, sewer repairs, floor repair and topping water treatment plants.	MasterShield ZeoGlass	BluCem ZeoGlass
Acid resistant mortar and lining system, low drying shrinkage, high alumina cement based mortar (CAC)	Trowel or wet/dry spray applied	Repairs to brick, cast in place concrete and precast concrete sewers, reinstating of linings of manholes and other access ways, tunnel linings or other places where resistance to acidic waters is required.	MasterCrete CAC 620 MasterCrete CAC 680 MasterCrete CAC 682	MasterEmaco S 620 MasterEmaco S 680 MasterEmaco S 682

# Grouts: Cementitious, Epoxy, Ready-Mixed and Microconcrete

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
CEMENTITIOUS GROUTS				
General purpose Class A Construction grout, 10-100mm gaps, 60MPa @ 28 days	Formed and dry packed, poured or pumped	Non-critical column and equipment bases, an in-fill grout for cavity block walls, in caulking of joints and pipes, between and under pre-cast panels and other joints where total load bearing is not required, underpinning where a grout similar in appearance to concrete is required.	MasterFlux 700	MasterFlow 700
Non-shrink, <b>Anti-washout</b> grout, 10-100mm gaps, 60MPa @ 28 days	Formed and dry packed, poured or pumped	For repairing structures under water and in tidal zone by grouting. The grout is suitable for use under both stationary and moving waters. Applications include repair of bridge piers, concrete piles, jetty pillars, harbour walls.	MasterFlux UW 788	MasterFlow 788
Non-shrink, high-strength grout, 10-100mm gaps, 65MPa @ 28 days	Formed and poured or pumped	Ideal for civil engineering projects in applications such as: Critical equipment baseplates, soleplates and columns, precast wall panels, beams, columns, structural building members and curtain walls, patching poured in place concrete structures e.g. honeycombing, using preplaced aggregate techniques, underpinning, anchoring dowels, bolts and other fixings, applications requiring high early compressive strengths and high ultimate compressive strengths.	MasterFlux 810	MasterFlow 810
Non-shrink, precision grout, <b>Extended working</b> time at high ambient temperatures, 10-100mm gaps, >90MPa @ 28 days			MasterFlux 870	MasterFlow 870
<b>Post tensioning</b> cable grout, 0-100mm gaps, Zero bleed, high flow and low shrinkage	Formed and poured or pumped	Rock bolting, general grouting, soil and rock grouting, post tension cable grouting, rock fissure grouting, precast grouting; sand permeation. Supplied in 3 Pack sizes: 20kg bags; 10kg as additive form and bulk supply in m <sup>3</sup> as ready mixed grout.	MasterFlux 200 MasterFlux 201	BluCem HS200 BluCem HS200A
Top down rock bolt/cable bolt grout, strata filling in fractured ground	Pumped	Thixotropic grout with zero bleed, flows when sheared and non-flow when not sheared.	MasterRoc MG 01	BluCem HS400
Precision Ultra rapid strength gain Class C, grout/micro concrete, Fast setting for <b>reducing</b> down time, 10-100mm gaps, 30MPa @ 3 hours, 80MPa @ 28 days	Formed and poured or pumped	Structural repair of beams, columns and slabs, Airport lighting installation, rock bolting, rock fissure grouting; precast grouting, underpinning. The micro concrete version suitable for deeper pours, large format batch mixing.	MasterFlux 880 MasterFlux 881	BluCem HE80 BluCem HE80AG
<b>Ultra</b> high early and ultimate strength <b>iron</b> reinforced precision grout, 20-150mm gaps, 110MPa @ 28 days	Formed and poured or pumped	Critical equipment baseplates, soleplates and columns; crane rails, ball mills, crushers; on-shore wind turbines requiring high torsional and dynamic loads; rolling, stamping, drawing and finishing mills for the steel and aluminium industries; turbines, generators, pumps and centrifugal compressors; "H" shaped steel columns, steel tube columns; applications requiring ultra-high early compressive strengths and ultimate compressive strengths; high flow for full compaction even in areas with congested steelwork.	MasterFlux HST 4600	MasterFlow 4600

# Grouts: Cementitious, Epoxy, Ready-Mixed and Microconcrete

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>CEMENTITIOUS GROUTS</b>				
Precision ultra-high strength Class C grouting for civil engineering applications, pumpable, non shrink, high early and ultimate strength gain, >120MPa @ 28 days	Formed and poured or pumped	Concrete repair, structural repairs of beams, columns and slabs, precast grouting, off shore pile/sleeve grouting. Pack sizes: 20kg bags; and bulk supply in m <sup>3</sup> as ready mixed grouts.	MasterFlux HST 4120	BluCem HSI20
Ultra-high strength grouting for onshore wind turbine installations, exceptionally high early and final strength and modulus; increased ductility, fatigue and impact resistance, 25-600mm gaps, >100MPa @ 28 days	Formed and poured or pumped	Especially formulated for grouting of: wind turbine installations, where excellent fatigue resistance is required, under very harsh conditions, e.g. temperatures as low as 0°C, anchoring anchor bolts of wind turbine towers, void filling from 25mm to 500mm where high strength, high modulus, high ductility is important.	MB Flux 1300	MasterFlow 9000 series
<b>CEMENTITIOUS READY-MIXED BULK GROUTS</b>				
Precision <b>deep pour</b> Class C ready-mixed micro concrete (grout with aggregate) for civil engineering applications, high volume, very low shrinkage, long pump time, ultra low permeability, high thermal conductive and <b>low electrical resistive</b> , >70 MPa @28 days, for gaps up to 250mm	Arrives pre-mixed in concrete agitators: poured or pumped	Ready mix product to form a deep pour, non shrink grout/micro concrete for: concrete repair, footings, columns and slabs, deep pouring of beam and columns, pile grouting, void grouting.	MasterFlux 5460RMX	BluCem LH60 RMX
Precision void filling Class C ready-mixed grout, non-shrink, 10 to 100mm gaps, flowable, >70MPa @ 28 days, time and labour savings	Arrives pre-mixed in concrete agitators: poured or pumped	Ready mix grout to form a high strength cementitious grout to be used as: structural grouting, pile jacket grouting, annulus grouting.	MasterFlux 80RMX	BluCem HS80 RMX
Low thermal resistivity, deep pour ready mix grout, highly flowable and pumpable, long-distance grouting, very high thermal resistivity ( <b>low TR rating</b> )	Arrives pre-mixed in concrete agitators: poured or pumped	Ready mix product suitable for the dissipation of heat from high voltage cables through a process known as conduit encasement which allows higher loads to be placed on the cables. Used for: encasement of conduit casings, long-distance pumping applications, bulk grouting where heat dissipation is required, high voltage cable grouting.	MasterFlux EA 55RMX	BluCem RMX EA 55
<b>Post tensioning</b> cable ready-mixed grout, which arrives pre-mixed in concrete agitators on-site to form an ultra-flow cementitious grout; void filling up to 100mm, very high fluidity, zero bleed, low shrinkage and long open time, NSW TfNSW approved, time and labour savings	Arrives pre-mixed in concrete agitators: poured or pumped	No on-site mixing required, Ready mix product suitable for: rock bolting; general grouting; soil and rock grouting; post tension cable grouting; rock fissure grouting; precast grouting; sand permeation.	MasterFlux 200RMX	BluCem HS200 RMX
Precision ultra-high strength ready-mixed grouting for civil engineering applications, pumpable, non shrink, high early and <b>ultimate strength gain</b> , >120 MPa @ 28 days	Arrives pre-mixed in concrete agitators: poured or pumped	Ready mix product suitable for concrete repair, structural repairs of beams, columns and slabs, precast grouting, off shore pile/sleeve grouting.	MasterFlux HST 4120RMX	BluCem RMX HSI20 UHPC



# Grouts: Cementitious, Epoxy, Ready-Mixed and Microconcrete

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
EPOXY GROUTS				
Heavy duty epoxy resin grout, rapid hardening, high strength grout, high viscosity, flowable, <b>chemical resistance</b> , impact and <b>vibration</b> resistance, 90MPa @ 7days, min 5mm max 50mm (without aggregate)	Formed and poured or pumped	Machinery with high dynamic loads and vibration; Backing of steel liners of ore crushing machinery in mines and quarries; in corrosive environments where chemicals, oils and solvents make cementitious grouts unsuitable; production line equipment that must resume operations with minimum downtime; machinery base plates, crane rails, anchor bolts hold down bolts and heavy equipment where tensile strength greater than cementitious systems can provide are required.	MasterFlux ER 618	MasterFlow 618
Multi-purpose <b>moisture</b> tolerant epoxy resin grout, high performance, high early and ultimate strength, chemical resistance, 98MPa @7days, Min 5mm Max 50mm (without aggregate)	Formed and poured or pumped	Areas requiring a moisture insensitive bond to the concrete substrate, bolt, rebar structural anchoring, hold down bolts, baseplates and machinery grouting, crane rails and tight clearances, exterior grouting and repair applications.	MasterFlux ER 628	MasterFlow 628
3comp. solvent free, high strength, high temperature, high flow epoxy resin grout, 100 MPa @7days, excellent resistance to <b>high operating temperatures</b> and crack inducing <b>vibration</b> , can be used for <b>deep pours</b> , Thickness: Min 12mm Max 150mm	Formed and poured or pumped	Precision alignment of machinery, compressors and prime movers in the gas transmission and other industries, foundations under crusher ball mills, slab tables and other equipment in the steel industry, the pulp and paper, chemical processing, mining and power industries, application requiring fast turnaround with high early and seven day compressive strengths.	MasterFlux ER 648	MasterFlow 648

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
DRY SHAKES AND TOPPINGS				
Silicon carbide aggregate floor hardener, applied as a <b>dry-shake</b> over freshly floated concrete to provide a durable, non-slip monolithic floor	Dry shake	Recommended uses: Factories, workshops, showrooms, food and beverage processing areas, where a durable, non-rusting, non-slip floor is required to withstand moderate to heavy traffic. Providing a durable, non-slip surface on ramps, stairs, landings etc. under wet or dry conditions. Freezers and chillers with forklift traffic.	MasterCoat 105	MasterTop 105
<b>Iron</b> aggregate, <b>dry-shake</b> surface hardener for industrial floors needing additional abrasion resistance and impact protection	Dry shake	Recommended uses: Industrial installations needing extra abrasion resistance and impact protection, distribution warehouses, mine facilities, aircraft hangers, power stations, loading bays, workshops. industrial floor surfaces subject to heavy or frequent traffic, steel wheels, AGVs, fork lifts.	MasterCoat 200 MasterCoat LIR 200	MasterTop 200 MasterTop 200LR
Heavy-duty <b>iron</b> aggregate <b>topping</b> that protects industrial flooring against impact and abrasion whilst also providing a longer service life	Trowel applied	Applied over prepared hardened concrete it gives significantly longer service life than either normal high strength concrete or natural aggregate toppings. Recommended uses: areas subject to heavy abrasive traffic, impact and continuous wear, such as loading docks, aisles, waste transfer facilities, truck or tractor repair areas, and mill scale sluiceways. Areas where safety authorities have deemed other floor surfaces hazardous because of excessive wear, dangerously buckled steel plates, etc. mining workshops with tracked vehicles. Floors with scraper blades in constant contact.	MasterCoat 330	MasterTop 330
Dust arresting silicate solution formulated to bind the surface of old or new concrete to <b>reduce</b> dusting	Brush, roller or spray applied	Used for: Old concrete floors that are dusting; powdery or friable concrete that is dusting due to inadequate curing and/or low cement content and concrete block work with friable surfaces; new concrete surfaces to seal against oil, grease and many chemical solutions. Not suitable for clay bricks or pavers.	MasterCoat 333	MasterTop 333
EPOXY FLOORING				
High build, hard wearing, anti-slip or smooth application, two-component epoxy resin system	Brush or roller applied	Recommended for floors and as a corrosion resistant coating to most construction materials in: workshops, chemical industries, pharmaceutical and cosmetic facilities, food and drink processing plants, electronic and electrical industries, mining industries, water and sewerage treatment plants, warehouses, multi-level carparks.	MasterCoat ER 1080 MasterCoat 2400 Colour	MasterTop 1080 MasterTop XI
Fillers	Mixed or broadcasted	Recommended for use with epoxy resins and grouts as filler or as broadcasting aggregate in resin flooring systems.	MasterCoat FIL I MasterCoat FIL 30 MasterCoat FIL 5	MasterTop FI MasterTop F30 MasterTop F5

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>CURING COMPOUNDS AND FINISHINGS</b>				
Evaporation retardant and finishing aid for fresh concrete, effective in combating rapid-drying conditions such as high temperatures, low humidity and high winds	Brush, roller or spray applied	All types of concrete slabs, toppings, concrete repairs and finishing operations. It is not a curing agent and has no effect on hardened concrete. Concrete must still be properly cured.	<b>MasterKure III</b>	MasterKure III
Water based wax emulsion curing compound (clear or white)	Brush, roller or spray applied	For curing all types of external concrete paving: applications where damp curing is impracticable, concrete road pavements to prevent base course bonding to top course, fresh moist plain concrete. Use as a bond breaker in lift slab construction.	<b>MasterKure CC 100WB</b>	MasterKure CC 100WB
Water based hydrocarbon resin curing compound	Brush, roller or spray applied	Water dispersed hydrocarbon resin based, forms a flexible film which prevents concrete drying out during the critical early stages of hydration.	<b>MasterKure 250</b>	MasterKure 250
Solvent based acrylic copolymer curing compound and sealer	Brush, roller or spray applied	Curing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications. Efficiently curing all cementitious grouts and mortars including MasterFlux iron and natural aggregate.	<b>MasterKure 402</b>	MasterKure 402
Water based acrylic copolymer curing compound and sealer	Brush, roller or spray applied	Curing of concrete that will have an additional topping such as cement based tile adhesives or toppings. Curing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications. Efficiently curing all cementitious grouts and mortars including MasterFlux iron and natural aggregate formulations.	<b>MasterKure 404</b>	MasterKure 404
Surface retarder for horizontal exposed aggregate concrete surfaces	Brush, roller or spray applied	To produce exposed aggregate architectural finishes on horizontal surfaces or on pre-cast panels produced in a horizontal plane.	<b>MasterFinish 380</b>	MasterFinish 380



Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
GRP BARS AND ACCESSORIES				
GRP soil nails, light weight, easily transportable, easy to install, cuttable for future excavation, no sheathing required, reliable single stage grouting process, high tensile and shear strengths, highly <b> durable</b> and corrosion resistant, acid resistant, <b>non-conductive</b>	Grouted into drilled holes	Applications including temporary and permanent face stabilisation, slope stabilisation, ground support and systematic rock bolting, 100-year design life rock support, ground anchors, roof support, rock reinforcement, concrete reinforcement.	MasterGeo BAR	BluGeo GRP Bars
GRP, galvanised, stainless steel, epoxy accessories	Grouted into drilled holes	Including but not limited to: Dome nut and plate, power nut and plate, dome ball washer, nut dual thread, nut hex, dual-tension nut, coupler.	MasterGeo accessories	GRP accessories Galvanised accessories Stainless steel accessories Other accessories
DCP Low Profile Steel Rigid rock supporting Anchor, double corrosion protection sheathing for 100 year design life, a low profile head to eliminate protrusion of the head into the service area of tunnels and transport corridors, easy to install, Less than 40mm profile off rock surface, shotcrete application savings, excavation savings, flexible nut and plate configuration, improved fire life safety, accessible for post installation testing	Grouted into drilled holes in rock	100-year design life rock support, slope stability, low clearance applications, spot bolting, roof support, rock reinforcement, retaining walls, ground anchors.	MasterGeo LP Rock Bolt MasterGeo LP Rock Bolt Plate	BluGeo LP Rock Bolt BluGeo LP Rock Bolt Plate
Continuous deformed GRP reinforcement bar/mesh, no hot works required, 100-year design life, high tensile and shear strength, economical, easy handling and lightweight, not corrosive: the concrete cover to be minimised the weight and cost of the concrete elements		High strength, inert reinforcement bar for use in the design of tunnelling softeyes or for reinforcement of concrete elements subjected to highly corrosive environments. High load-carrying capacity used to provide tensile strength and crack control to structural concrete elements.	MasterGeo REO	BluGeo GRP Reo

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>WATERPROOFING MEMBRANES</b>				
Fully welded, continuous VLDPE sheet membrane	Welded seam sheet membranes	Flexible VLDPE membrane secured to walls or roof by heat welding to rondels before double seam heat welding and testing of seams. Used for lining bored and driven tunnels, cut and cover tunnels, cross passages, shafts and underground structures, green roofs, flat and insulated roof structures.	BluSeal VLDPE	BluSeal VLDPE
Fully welded, continuous PVC sheet membrane	Welded seam sheet membranes	Flexible PVC membrane secured to walls or roof by heat welding to rondels before double seam heat welding and testing of seams. Used for lining bored and driven tunnels, cut and cover tunnels, cross passages, shafts and underground structures, green roofs, flat and insulated roof structures.	BluSeal PVC	BluSeal PVC
Crystalline capillary waterproofing mortar/liner	Trowel applied	Suitable for water tanks, reservoirs, building basements and foundations, swimming pools and water parks, sewage and water treatment plants, dams, canals, tunnels, harbours, retaining walls and sea defence walls and concrete pipes.	MasterCrete WR 50I	MasterSeal 50I
<b>WATERSTOPS</b>				
Rear guard PVC waterstop: Provides a positive seal for in-situ concrete joints or to provide compartments in welded sheet membrane systems	Cast into concrete joints or welded to sheet membrane	150mm, 200mm, 250mm and 320mm wide profiles, positioned at the rear of concrete walls and slabs or welded behind PVC sheet membrane to provide a barrier to the ground water pathway. Applications in water tanks, basements, tunnels, sewage and water treatment plants, reservoirs, dams and spillways.	BluSeal URG Waterstop	BluSeal URG Waterstop
Centre guard PVC waterstop: Provides a positive seal for in-situ concrete expansion and constructions joints	Cast into concrete joints	150mm, 200mm, 250mm and 320mm wide profiles, positioned at the rear of concrete walls and slabs to provide a barrier to the ground water pathway. Applications in watertanks, basements, tunnels, sewage and water treatment plants, reservoirs, dams and spillways.	BluSeal UCG Waterstop	BluSeal UCG Waterstop
PVC with an extruded aluminium crack inducer/joint former: Prevent concrete chipping and random cracking, labour cost savings	Cast into concrete	Controlled crack inducement and joint forming in airport taxiways/parking aprons and concrete paved areas. It is introduced where a levelled groove edge is required to prevent concrete spalling caused by heavy point loading.	BluSeal JForm	BluSeal Jform
<b>SEALING AND JOINT WATERPROOFING</b>				
Hydrophilic waterstop strip seal, for inclusion in insitu concrete joints and between precast concrete elements, no on-site welding required, long term durability, unaffected by repeated wet and dry cycles, can withstand 6 Bar hydrostatic pressure	Strips applied along jointing surfaces	Applications in: Watertanks, basements, tunnels, sewage and water treatment plants, reservoirs, dams and spillways.	MasterJoint 910	MasterSeal 910 MasterSeal 910S
Hydrophilic gun grade waterstop	Single component, gun applied	Gunable PU paste placed along construction joints which is activated by moisture to swell and effect a compression seal. Applications in water tanks, basements, tunnels, sewage and water treatment plants, reservoirs, dams and spillways.	BluSeal Leakmaster	

# Waterproofing Systems

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
SEALING AND JOINT WATERPROOFING				
<b>FPO tape</b> sealing system for irregular and unconventional joints, consist of highly elastic, chemically resistant sealing tape, durable, cost effective, can be applied horizontally, vertically and even overhead, potable water approved	Refer to application guide	Sealing of construction joints, expansion joints, connecting joints, cracks and crevices. Typical uses are for concrete tanks, cast and cement-pipe connections, bridge decks, tunnels, water towers and reservoirs, ponds, silos, containers, secondary tanks. It is ideal for joints with very large expansion or irregular, broken joint flanks.	MasterJoint 930	MasterSeal 930
<b>Re-injectable</b> hose system, for construction joints in concrete, ready for subsequent injection of cementitious or polymeric compounds to ensure watertightness, it is not affected by low temperature and immersion in water	Cast into concrete	For use in construction joints in all structures, which need to be injected to waterproof them, such as: Water retaining structures, tunnels and basements, buildings, bridge decks and other similar structures.	BluSeal Injection Hose Kit	MasterSeal 909 BluSeal Injection Hose Kit
<b>Hydrophilic</b> polyurethane injection system, highly flexible injection, single component polyurethane, rapid foam and gel time	Injection	Single component polyurethane resin which reacts with water to form a hydrophilic flexible seal.	MasterFill PR 1450	BluRez CSI50
Two component polyurethane <b>penetrating</b> injection product, high foaming, fast setting, very low viscosity, expands by a factor of 30-50, <b>potable water approved</b>	Injection	Two component, polyurethane compound which is mixed with a catalyst to form a water reactive resin of very low viscosity that expands by a factor of 30-50 to form a strong water stopping foam.	MasterFill PR 1400	BluRez CSW
JOINT SEALANTS				
One component, moisture curing, thixotropic aliphatic polyurethane sealant, high performance, UV resistant, highly elastic, <b>non-pick</b> , unmatched durability, both vertical and horizontal application, <b>potable water approved</b>	Single component, gun applied	Active, exterior and interior joints that demand extreme UV resistance and long term colour integrity including but not limited to: expansion joints in buildings and civil structures above and below ground, construction joints, joints in precast concrete elements, external walling and cladding joints, infill panel joints, curtain walling, etc. trafficable surfaces on floors, panels, walls, window frames, curtain walls and precast panels. Pick resistance finds applications in shop fronts, prisons, schools and public amenities.	MasterSeal CHR 195 MasterSeal CHR 195NP	MasterSeal CR 195
Two component polyurea hybrid joint sealant; extreme <b>chemical resistance</b> , fast curing	Two component, gun applied	Used in conjunction with flooring surfaces where resistance to heat, moisture and chemicals is required. Also can be used on horizontal applications including trafficable surfaces on floors and bunds. Substrates include concrete, polyurethane concrete, novalac epoxies and chemically resistant epoxies.	MasterJoint CHR 435	MasterSeal CR 435
Polyurethane primer and adhesion promoter, solvent based, single component, for use with PU sealants	Brush and roller applied	As adhesion promoter for application of PU sealant. Substrates such as copper, stainless and galvanized typically require the use of a primer.	MasterJoint PRI 695	MasterSeal P 692



# Potable Water Approved Systems - AS 4020-2018

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
<b>PRIMERS, REPAIR MORTARS, SEALANTS AND WATERPROOFING SYSTEMS</b>				
Acrylic modified cement based slurry bonding agent, as primer for both concrete and reinforcement steel, potable water approved	Brush or roller applied	Substrate concrete primer, compatible with repair mortars, with an added corrosion inhibitor and also for the protection of reinforcement steel.	MasterCrete PRI 5000	MasterEmaco P 5000AP
Epoxy structural bonding agent for old to new concrete and repair mortars, <b>potable water approved</b>	Brush, roller or trowel applied	Structural bonding of new to old concrete, production of epoxy resin mortars to grout, bolt holes, rapid structural repair of concrete, grouting dowels, as primer and bonding agent for repair mortars requiring maximum adhesion.	MasterStrength 2525	MasterEmaco 2525
Thixotropic epoxy paste for repair of 0-5mm patches, structural adhesive and bonding agent, <b>potable water approved</b>	Brush, roller or trowel applied	Application to horizontal or vertical surfaces to fill rough surfaces to 5mm, as a primer for vertical surfaces, as a general-purpose adhesive for structural bonding and or repairing most material, bonding metal to metal, concrete, timber etc.	MasterStrength 1444	MasterBrace 1444
Thixotropic epoxy mortar for high build applications up to 25mm, structural adhesive for structural bond, bonding agent for MasterJoint 930 (FPO tape) system, <b>potable water approved</b>	Brush, roller or trowel applied	Structural bonding of precast elements, fixing injection ports for crack injection, bonding a wide variety of building and construction materials, as a repair mortar, may be mixed with kiln dried sands for deep repairs (>25mm), abrasion resistant lining or repair.	MasterStrength 1446	MasterBrace 1446
Structural patch repair mortar, low shrinkage, active corrosion inhibitor, low resistivity, <b>potable water approved</b>	Trowel or wet spray applied	Structural repair of low to medium strength (25-50MPa) concrete elements such as balcony edges, soffits and decks, window ledges, lintels and beams or anywhere where concrete structures need to be repaired or re-profiled by hand.	MasterCrete CI 5300	MasterEmaco S 5300CI
Structural repair mortar, active corrosion inhibitor, 30-70 MPa substrate, high build, very low shrinkage, sulphate resistant, <b>potable water approved</b>	Trowel applied	Bridge bearing pad mortar, structural repair, repairs to: airport runways, ports or marine areas, mechanical industries, against aggressive waters containing sulphates, sulphides, chlorides, etc., repair of concrete members subjected to repetitive stresses, vertical, overhead and horizontal applications.	MasterCrete CI 5488	MasterEmaco S 488CI MasterEmaco S 5400CI
Deep pour engineered micro-concrete; low shrinkage with <b>low thermal resistivity</b> for filling of underbores carrying high voltage power cables, <b>potable water approved</b>	Pumped or form and pour	Micro-concrete, pumpable/pourable, 80MPa @ 28 days, very low shrinkage, high bond strength and thermal resistivity <0.5kW/m <sup>2</sup> K with low heat of hydration.	MasterCrete LH 5460	BluCem LH60 MasterEmaco S 5440CI
<b>Crystalline</b> capillarywaterproofing mortar, for patch repairs and as render on old concrete surface, effective against positive and negative water pressure or osmotic pressure, potable water approved	Dry spray applied	Suitable for: water tanks, reservoirs, building basements and foundations, swimming pools and water parks, sewage and water treatment plants, dams, canals, tunnels, harbours, retaining walls and sea defense walls, concrete pipes.	MasterCrete WR 501	MasterSeal 501
Two component Polyurethane penetrating injection product, high foaming, <b>fast setting</b> , very low viscosity, expands by a factor of 30-50, <b>potable water approved</b>	Injection	Ultra low viscosity compound designed, for fine crack and fissure penetration. Polyurethane compound after mixing with a catalyst to form a water reactive resin of very low viscosity that expands by a factor of 30-50 to form a strong water stopping foam.	MasterFill PR 1400	BluRez CSW

# Potable Water Approved Systems - AS 4020-2018

Project Requirements	Application Method	Application Solutions	New Product Names	Former Product Name
PRIMERS, REPAIR MORTARS, SEALANTS AND WATERPROOFING SYSTEMS				
One component, moisture curing, thixotropic aliphatic polyurethane sealant, high performance, UV resistant, highly elastic, <b>non-pick</b> , unmatched durability, both vertical and horizontal application, <b>potable water approved</b>	Single component, gun applied	Active, exterior and interior joints that demand extreme UV resistance and long term colour integrity including but not limited to: expansion joints in buildings and civil structures above and below ground, construction joints, joints in precast concrete elements, external walling and cladding joints, infill panel joints, curtain walling, etc. trafficable surfaces on floors, panels, walls, window frames, curtain walls and precast panels. Pick resistance finds applications in shop fronts, prisons, schools and public amenities.	MasterSeal CHR 195 MasterSeal CHR 195NP	MasterSeal CR 195
<b>FPO tape</b> sealing system for irregular and unconventional joints, consist of highly elastic, chemically resistant sealing tape, durable, cost effective, can be applied horizontally, vertically and even overhead, potable water approved	Refer to application guide	Sealing of construction joints, expansion joints, connecting joints, cracks and crevices. Typical uses are for concrete tanks, cast and cement-pipe connections, bridge decks, tunnels, water towers and reservoirs, ponds, silos, containers, secondary tanks. It is ideal for joints with very large expansion or irregular, broken joint flanks.	MasterJoint 930	MasterSeal 930

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