



Product Selection Guide

 **BASF**

The Chemical Company

SADDINGTONS - BASF PRODUCT SELECTION

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POLYMER & POLYURETHANE FLOORING

	PRODUCT TYPE						CHARACTERISTICS						APPLICATION			USE						
	Single Pack	Two-pack	Multi-pack	Coating	Self Smoothing	Topping	Typical Thickness (mm)	Internal	External	Abrasion Resistant	Impact Resistant	Chemical Resistant	Anti Static	Hygienic	Sip Resistant	Damp Substrate	Very Low Temp	Drying Curing time at 20°C (hrs)	Solvent Free	Wearing Surfaces	Vertical Surfaces	Available in colours
Concresive 2525		●		●				●		●	●	●		●	●	●		6	●	●		●
Mastertop 1050			●	●			0.4	●		●				●	●			6	●	●		●
Mastertop 1080			●	●			0.3	●		●				●	●	●		6		●	●	●
Mastertop 1090		●		●			0.1	●	●	●				●	●			2		●		
Mastertop 1220			●		●		3	●		●	●			●	●	●		24	●	●		●
Mastertop 1230			●		●		2	●		●	●			●	●			24	●	●		●
Mastertop 1245			●			●	5	●		●	●			●	●	●		24	●	●		●
Mastertop 1270AS				●	●		2.5	●		●	●	●		●	●			24		●		●
Mastertop 1325					●	●	2.5	●	●	●	●			●	●			24		●		●
Mastertop 1328AS			●		●		2.5	●		●	●	●		●	●			24		●		●

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POLYMER & POLYURETHANE FLOORING

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	PRODUCT TYPE	CHARACTERISTICS	APPLICATION		USE	
			Solvent Free	Drying Curing time at 20°C (hrs)	Vertical Surfaces	Wearing Surfaces
	Typical Thickness (mm)					
Emaco APS T 2040	4	Sip Resistant	●	3		●
Ucrete DP	6-9	Hygienic	●	10		●
Ucrete MF*	5	Anti Static		10		●
Ucrete UD200	9	Chemical Resistant	●	10		●
Ucrete WR	3	Impact Resistant	●	10		●
	Topping	Abrasion Resistant	●			●
	Self Smoothing	External	●			●
	Coating	Internal	●			●
	Multi-pack					
	Two-pack					
	Single Pack					

* Also available in an anti-static formulation

CONCRESlVE® 2525

Solvent-free epoxy binder and structural adhesive

DESCRIPTION:

CONCRESlVE 2525 is a solvent-free, high performance, versatile epoxy resin binder that can be used as a binder to produce a range of epoxy resin based mortars and as a bonding agent for both epoxy resin systems and cement-based mortar. CONCRESlVE 2525 can be applied to both dry and damp surfaces and adheres to most substrates after proper preparation.

RECOMMENDED FOR:

- Structural bonding of new to old concrete
- Production of epoxy resin mortars for floor toppings
- Production of epoxy resin mortars to grout bolt holes
- Steel bonding
- Rapid structural repair of concrete
- Grouting dowels
- Priming of concrete floors prior to applying MASTERTOP Flooring Systems

FEATURES AND BENEFITS:

- Excellent adhesion
- Adheres to dry or damp surfaces
- Solvent-free
- Low viscosity
- High abrasion resistance
- Excellent chemical resistance
- Pre-proportioned packaging
- Multi-purpose binder
- Approved for contact with potable water AS 4020 compliance

ESTIMATING DATA:

Volume of Mixed Binder to Aggregate Ratio

- 1:2 (F1 Filler) Yield = 0.75 total ratio
- 1:3 (F1 Filler) Yield = Filler Volume (3 Litres)
- 1:4 (F1 Filler) Yield = Filler Volume (4 Litres)
- 1:5 (F2 Filler) Yield = Filler Volume (5 Litres)

Priming coverage 4 –6m² litre

PACKAGING:

CONCRESlVE 2525 is available in 2, 5 and 20 litre kits.

		2 Litre	5 Litre	20 Litre
Comprising	Part A	1.5 Litre	3.75 Litre	15 Litre
	Part B	0.5 Litre	1.25 Litre	5 Litre

MASTERTOP® 1050

Chemical resistant coloured epoxy coating

DESCRIPTION:

MASTERTOP 1050 is an epoxy resin based coating which is designed to protect concrete, masonry and metal surfaces from chemical attack and corrosion. It is supplied as a solventless, two-component system consisting of resin and hardener.

RECOMMENDED FOR:

- Concrete floors, walls, drains, pipe work, storage tanks, equipment to provide protection against chemical attack and corrosion
- Waterproofing of concrete and masonry surfaces, above or below grade
- Use in the following industries: food and beverage, oil, chemical and fertiliser processing, marine, mining, sewerage treatment plants, printing and paper manufacturing, engineering and automotive servicing
- In areas where hygiene and health requirements are important such as commercial kitchens, catering facilities, hospitals and veterinary surgeries, laboratories.

FEATURES AND BENEFITS:

- Exceptionally long pot life
- Excellent chemical resistance - maximum surface protection against attack from mineral and food acids, fats, fuels and strong alkali and salt solutions
- High bond strength - tenacious adhesion to correctly prepared surfaces
- Resists abrasion - durable surface which because of its high build properties provides resistance to traffic and abrasion
- Hygienic - provides a floor surface which resists bacterial growth
- Waterproof - impervious to penetration by water
- Wide colour range
- Easy to clean and maintain

ESTIMATING DATA:

One litre per 5-8m² per coat dependant on profile of surface. Two coats minimum (DFT 180 microns at 5m² per litre).

PACKAGING:

MASTERTOP 1050 is supplied in 5 litre and 20 litre kits:

Comprising	<u>5.0 Litre</u>	<u>20 Litre</u>
Part A	3.15 Litre	12.6 Litre
Part B	1.55 Litre	6.2 Litre
<u>X1 Colour Pack</u>	0.30 Litre	4 x 0.3 Litre
Total	5.00 Litre	20.0 Litre

MASTERTOP® 1080

Epoxy based durable high build coloured floor coating

DESCRIPTION:

MASTERTOP 1080 is an economical high solids floor coating based upon an epoxy resin system. The cured floor provides excellent resistance to both chemical and mechanical damage. MASTERTOP 1080 has a user-friendly mix ratio and pot life and provides a hard, durable and glossy film.

RECOMMENDED FOR:

Walls, floors and as a corrosion resistant coating to most construction material in:

- Workshops
- Chemical industries
- Pharmaceutical and cosmetic industries
- Mining industries
- Food and drink processing plants
- Electronic and electrical industries
- Water and sewerage treatment plants
- Warehouses
- Multi level car parks

FEATURES AND BENEFITS:

- Bonds to damp surfaces
- Pre-packaged and proportioned
- Wide colour range
- Excellent durability
- High resistance to chemical and mechanical attack
- Can be applied to vertical and horizontal substrates
- Long pot life and user friendly mix ratio

ESTIMATING DATA:

One litre per 4-6m² per coat dependant on surface. Two coats minimum (DFT 170 microns at 5m² per litre).

PACKAGING:

MASTERTOP 1080 is supplied in 5 litre and 20 litre kits:

		5 Litre	20 Litre
Comprising	Part A	2.2 Litre	8.8 Litre
	Part B	2.5 Litre	10 Litre
X1 Colour Pack		0.3 Litre	4 x 0.3 Litre

NOTE: Where light colours, (yellow/white etc) are required, the addition of two X1 colour packs are advised to ensure opacity. A third coat may also be required.

MASTERTOP® 1090

Clear epoxy floor sealer and primer

DESCRIPTION:

MASTERTOP 1090 is an economical floor sealer and primer based on an advanced solvent based epoxy resin. MASTERTOP 1090 provides high penetration into substrates with a glossy, easily cleaned, smooth finish, ideal for industrial applications.

MASTERTOP 1090 is ideal for priming under MASTERTOP 1080 and SONOGUARD and can provide non-skid textures as required.

RECOMMENDED FOR:

- Workshops
- Warehouse floors
- Printing and light manufacturing facilities
- New concrete that cannot be acid etched
- Dust proofing

FEATURES AND BENEFITS:

- Equal parts
- Pre-packaged and proportioned
- Long pot life
- Easy to apply
- Easily cleaned
- More durable than chlorinated rubber or acrylic systems

ESTIMATING DATA:

On smooth dense surfaces MASTERTOP 1090 will achieve 12m² per litre. On surfaces that have been acid etched or are porous then 8-10m² per litre will be typical.

PACKAGING:

MASTERTOP 1090 is supplied in 8 litre and 40 litre kits:

		8 Litre	40 Litre
Comprising	Part A	4 Litre	20 Litre
	Part B	4 Litre	20 Litre

MASTERTOP® 1328 AS

Polyurethane based anti-static flooring system

DESCRIPTION:

MASTERTOP 1328 AS is a self-smoothing, anti-static, polyurethane flooring system. The cured floor exhibits excellent anti-static properties and finishes to a smooth, seamless surface with an attractive appearance that can be easily maintained in a hygienic condition. Due to the polyurethane base, the system exhibits an enhanced abrasion and cracking resistance.

RECOMMENDED FOR:

MASTERTOP 1328 AS is recommended for floors in environments where static electricity and stray currents produce by friction, pose risks of explosion or interference with the function or the production of electronic parts. It is ideal for floors in:

- Electronic industries
- Wafer and PC component production
- Synthetic fibre mills
- Processing and handling of combustible goods
- Operating theatres and recovery rooms

FEATURES AND BENEFITS:

- **Anti-static**
dissipates static charges that could cause sparks or damage electronic parts
- **Good Chemical Resistance**
durable in chemically aggressive areas
- **Easy to Maintain**
allows floor surface to be maintained in a hygienic state
- **Seamless**
is free of joins that collect dirt and allow ingress of pollutant
- **Complies with all International Standards**
complies with DIN 51953, DIN EN1081, IEC and NFPA BS 2080, UL 779.

ESTIMATING DATA:

1.8 - 2.5kg/m² of body coat

PACKAGING:

MASTERTOP 1328 AS consists of Mastertop CP287W AS (in 15kg kits) and Mastertop BC375 AS in 30kg kits.

Kits Comprise of:

Mastertop CP287W AS Part A	9 kg
Mastertop CP287W AS Part B	6 kg
Mastertop BC375 AS Part A	24 kg
Mastertop BC375 AS Part B	6 kg

MASTERTOP® P-15 (PERIPLAN FEIN)

Ultra smooth self-levelling cementitious floor underlayment

DESCRIPTION:

MASTERTOP P-15 is a superior self-levelling, poured-in-place, cementitious, non-structural, floor underlayment intended for use over poured in situ and precast concrete floors which will be covered by coverings such as carpet, vinyl, ceramic tiles or natural stone.

MASTERTOP P-15 has been specifically formulated to achieve a fast setting, level and flat surface with maximum available flow time. Only water needs to be added at the job site to obtain the desired consistency for pumping or manual installation.

RECOMMENDED FOR:

- Finishing rough screeded floors
- Levelling up floors out of level
- Refurbishing old floors
- Re-surfacing internal rain damaged floors
- Refurbishment over terrazzo, quarry or ceramic tiles
- Internal floors above or below grade

FEATURES AND BENEFITS:

- Highly fluid and pumpable for fast installation
- Pourable or pumpable
- Rapid strength gain for fast installation of floor covering
- Low installed cost
- Resistant to cracking
- Ready for foot traffic after 3-4 hours
- Return to service in 24 hours
- Suitable for most carpet and tile adhesives
- Able to be feather-edged

NOTE: MASTERTOP P-15 may react and suffer a damaged uneven surface if exposed to puddled water. MASTERTOP P-15 is not suitable as a finished topping layer for external use.

ESTIMATING DATA:

A 20kg bag of MASTERTOP P-15 mixed with 5 litres of water provides 12.4 litres of self-levelling cementitious floor underlayment.

PACKAGING:

MASTERTOP P-15 is packaged in 20kg paper bags.
PERIPLAN FEIN is packaged in 25kg paper bags.

FLOOR SEALERS

	PRODUCT TYPE						CHARACTERISTICS								USE			
	Single Pack	Two-pack	Epoxy	Polyurethane	Acrylic	Other	Internal	External	Solvent	Solvent Free	Gloss	Satin	Matt	Clear	Coloured	Curing	Sealing	Top Coat
Masterseal 333	●																	
Masterseal 1120																		
Masterkure 402																		
Masterkure 404																		
Mastertop 1116																		
Mastertop TC 495																		
Mastertop 1330																		

MASTERSEAL® 333

Dust arresting and hardening treatment

DESCRIPTION:

MASTERSEAL 333 is a deep penetrating silicate solution for sealing and dust proofing powdery or friable concrete and concrete block surfaces.

RECOMMENDED FOR:

MASTERSEAL 333 is recommended for:

- Old concrete floors that are soft and starting to dust due to inadequate curing and/or low cement content
- Powdery or friable concrete and concrete block walls
- New concrete surfaces to seal against oil, grease and many chemical solutions

FEATURES AND BENEFITS:

- Dusting arresting treatment
- Seals and dust proofs new or old concrete, floors, walls, concrete block or stonework
- Deep penetrating liquid hardener
- Prolongs the serviceable life of 'problem' concrete floors before re-topping is required
- Protects concrete surfaces by sealing and hardening concrete surfaces, providing increased durability and resistance to abrasion dense surface
- Resists penetration of oil and grease
- Protects concrete from the corrosive effects of smoke fumes, mild acids, salts and many other aggressive chemical solutions

ESTIMATING DATA:

Coverage will vary greatly depending on the porosity and texture of the surface of the concrete and its age. Old concrete can take double the quantity of MASTERSEAL 333 of new concrete as will a very rough profile at the surface.

PACKAGING:

MASTERSEAL 333 is available in 5 and 20 litre containers.

MASTERSEAL® 1120

Clear acrylic sealer

DESCRIPTION:

MASTERSEAL 1120 is a premium grade solvent-based, non-yellowing acrylic sealer for beautifying, sealing and protecting slate, marble, quarry tiles, paving bricks, terrazzo and exposed aggregate panels or paving.

RECOMMENDED FOR:

- Slate, marble, paving, brick, quarry tiles, terrazzo and exposed aggregate panels or paving
- Homes, public buildings, schools, emporiums, corridors, verandas or patios, shopping malls, concourses

MASTERSEAL 1120 is not recommended for areas:

- Which may be wet/damp for long periods, as the film may whiten, lose bond and peel off
- Not suitable for use on vinyl, rubber, linoleum, or other resilient floor coverings

FEATURES AND BENEFITS:

- **Seals and Protects Surfaces**
prevents staining and ingress of dirt, grime, oil or grease, foodstuffs, rust spotting, pitting dusting and discolouration
- **Glossy, Durable Finish**
brightens the colour and enhances the inherent natural beauty of slate and other similar materials
- **Non-Yellowing**
water-white transparent liquid that will not yellow indoors or outdoors - may be applied to light or dark coloured surfaces
- **Impervious Surface**
resists water penetration, soap, mild acids and alkalis
- **Easy to Maintain**
does not require subsequent waxing or polishing - surfaces are easy to clean
- **Easy to Apply**
dries quickly for quick return to service
- **Easy Recoat**

ESTIMATING DATA:

Coverage will depend on porosity and texture of the surface. As a guide, one litre will cover approximately 10 to 16m² per coat on relatively dense smooth surfaces.

PACKAGING:

MASTERSEAL 1120 is available in 20 litre containers.

MASTERKURE® 402

Solvent based acrylic curing compound and sealer

DESCRIPTION:

MASTERKURE 402 is a clear, acrylic, copolymer, curing compound/sealer for use on plain or coloured concrete. MASTERKURE 402 meets and exceeds the moisture retention requirements of ASTM C-309 'Specification for Liquid Membrane-forming Compounds' when applied at the recommended application rate.

RECOMMENDED FOR:

- Curing and sealing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications
- Curing cementitious toppings and surface hardening finishes, particularly those containing metallic aggregates (MASTERTOP®)
- Curing concrete that is subject to tiling or carpet adhesives without removal

FEATURES AND BENEFITS:

- Efficient curing of concrete, when applied at the recommended rate, MASTERKURE 402 effectively seals in moisture to facilitate complete hydration of cement, resulting in maximum strength, increased durability, greater wear resistance and minimum surface dusting
- Safe, will not increase the slipperiness of concrete floors
- Easy-to-use, can be applied by brush, roller or spray
- Can be applied to smooth or rough surfaces
- Seals floors to give an attractive low-sheen finish
- Before tiling with cement based adhesives

ESTIMATING DATA:

Actual coverage depends on the texture and porosity of the surface.

For curing fresh concrete floors, apply at a rate of 5m² per litre to meet moisture retention requirements of ASTM C-309.

For sealing of existing plain or coloured concrete floors, coverage will vary depending on the texture and porosity and ambient temperatures however it will generally be in the range 7.5 to 10m² per litre per coat, two coats recommended.

PACKAGING:

MASTERKURE 402 is available in 20 litre and 205 litre drums.

MASTERKURE® 404

Water based acrylic curing compound and sealer

DESCRIPTION:

MASTERKURE 404 is a clear, water based acrylic, copolymer, curing compound for use on plain or coloured concrete. MASTERKURE 404 meets and exceeds the moisture retention requirements of AS3799-1990 'Specification for Liquid Membrane-Forming Compounds' when applied at the recommended application rate.

RECOMMENDED FOR:

- Curing and sealing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications
- Curing cementitious toppings and surface hardening finishes
- Efficient curing compound for all cementitious grouts and mortars
- Curing concrete that is subject to tiling or carpet adhesives without removal

FEATURES AND BENEFITS:

- Efficient curing of concrete, when applied at the recommended rate, MASTERKURE 404 effectively seals in moisture to facilitate complete hydration of cement, resulting in maximum strength, increased durability, greater wear resistance and minimum surface dusting
- Safe - will not increase the slipperiness of concrete floors
- Easy to use - can be applied by brush, roller or spray
- Can be applied to smooth or rough surfaces
- Seals floors to give an attractive low-sheen finish
- Before tiling with cement based adhesives

ESTIMATING DATA:

For curing fresh concrete floors, apply at a rate of 5m² per litre to meet moisture retention requirements of AS3799-1990.

For sealing of existing plain or coloured concrete floors, coverage will vary depending on the texture and porosity and ambient temperatures however it will generally be in the range 7.5 to 10m² per litre per coat, two coats recommended.

PACKAGING:

MASTERKURE 404 is available in 20 litre and 200 litre drums.

GROUTS - CEMENTITIOUS

Product	Compressive Strength 28 days (MPa)	Grade	Aggregate	Flowable	Plastic	Dry Pack	Ext. Working Time	Cable Grout	Dynamic Load Good > Excellent
Economical Construction Grout	48	Gen. Purpose	Natural	●					
Masterflow 88UW	60	Thixotropic	Natural						
Masterflow 96	55	Gen. Purpose	Natural						
Masterflow 500	60	Underpinning	Iron						Not Applicable
Masterflow 816	58	Precision	Free						
Masterflow 810	65	Precision	Natural						
Masterflow 810DP	65	Precision	Natural						
Masterflow 870	80	Precision	Natural						
Masterflow 880	90	Precision	Iron						
Masterflow 929	60	Gen. Purpose	Natural				Fast Set		
Mayco Milnegrout CB02	65	Precision	Natural						

GROUTS - POLYMER

Product	Compressive Strength 7 days (MPa)	Aver. 40mm Clearance	Under 25 Min Pour	Machine Base	Anchor Bolt Clearance	High Dynamic Load	Chemical Resistance	High Temp Resistance	Creep Resistance	Deep Pour Low Exotherm
Masterflow 622	120	add aggregate	3mm	●	Narrow					
Masterflow 628	98	add aggregate	1.5mm		Narrow					
Masterflow 648 CP Plus	120		12mm		Wide					
Masterflow 1688UW	93		3mm		Narrow					
Masterflow 678 DP	80									

MASTERFLOW® 816

Cementitious aggregate free grout

DESCRIPTION:

MASTERFLOW 816 is a ready-to-use aggregate free grout specially formulated for applications that require a fluid shrinkage compensating grout where clearances are shallow, grouting of tensioned cables and rods stressed above 550MPa.

RECOMMENDED FOR:

- Shrinkage compensated grouting in restricted spaces between precast wall panels, beams and columns where grout will be in contact with highly stressed steel
- Grouting of anchor bolts, rods and pipes where the annular space is too small for conventional aggregate containing grouts (clearances of 6 to 25mm)
- Repairs to concrete, such as cracks and honeycombing, filling small voids
- Pumping into areas around pre-tensioned or post-tensioned cables and rods to encapsulate the steel and protect it against corrosion, and to provide maximum anchorage
- Placing around end sections of unanchored cables and rods to provide anchorage for subsequent tensioning
- Grouting cable anchor plates or other types of plates where grout will be in contact with highly stressed anchorages.

FEATURES AND BENEFITS:

- An Aggregate-free grout that can be pumped into areas inaccessible to conventional grouts or grouting methods
- An easy to pump or pour grout that hardens without bleeding or settlement shrinkage
- A grout that can be pumped and/or recirculated for relatively long periods of time
- A grout that develops high strength at fluid consistency and meets the compressive strength and non-shrink requirement for CRD-C 621 and ASTM C 1107
- A formulation of specially selected, hydraulic, cementitious, shrinkage compensating materials that enhances flow and protects stressed tendons, bolts or bars from the threat of corrosion. A grout that hardens without shrinkage within the sheath or hole ensuring maximum bond and protection against ingress of water while in service.

ESTIMATING DATA:

20kg of MASTERFLOW 816 when mixed to fluid consistency produces approximately 13.6 litres (0.0136m³) of grout.

PACKAGING:

MASTERFLOW 816 is packaged in 20kg moisture resistant bags.

MASTERFLOW® 810 (formerly MASTERFLOW® 830)

Cementitious high strength non-shrink precision grout

DESCRIPTION:

MASTERFLOW 810 is a non-shrink, natural aggregate precision grout formulated to provide ample working time when mixed and placed at flowable consistency. It contains specially graded natural aggregate and provides high early and ultimate compressive strengths.

RECOMMENDED FOR:

All precision, non-shrink grouting applications with clearances of 10mm or more including:

- Equipment baseplates, soleplates and columns
- Precast concrete panels, beams and columns
- Anchor bolts and bars
- Patching defects in poured, in place concrete structures, such as honeycombing, using preplaced aggregate techniques

FEATURES AND BENEFITS:

- High strength - provides good early and ultimate strengths which ensure quick return to service and long term durability
- Non-shrink - hardens free of bleeding, settlement and drying shrinkage when placed at flowable consistency
- Ample working time - remains placable even at high ambient temperatures
- Flowable consistency - ensures complete filling of even intricate voids often without the need for pumping and strapping
- Dense, impermeable grout - provides a good watertight seal
- Non-staining - free of metallic aggregate
- Similar in appearance to plain concrete
- No added chloride
- Complies with codes - meets the non-shrink requirements of CRD-C 621m Corps of Engineers Specification for Non-Shrink Grout, and provides complete non-shrink performance when tested in accordance with AS2073, section 12, Bedplate Technique

ESTIMATING DATA:

20kg of MASTERFLOW 810 mixed to flowable consistency produces approximately 11.0litres (0.011m³) of grout.

PACKAGING:

MASTERFLOW 810 is packaged in 20kg moisture resistant bag.

MASTERFLOW® 880

Cementitious ultra-high strength non-shrink iron reinforced precision grout

DESCRIPTION:

MASTERFLOW 880 is a non-shrink; iron reinforced precision grout with excellent high early and ultimate strengths. It is specially formulated to provide extended working time even at high ambient temperatures, when mixed and placed at any recommended consistency.

RECOMMENDED FOR:

All non-shrink precision grouting applications particularly those requiring maximum load bearing and impact resistance, such as:

- Crane rails, ball mills, crushers
- Rolling, stamping, drawing and finishing mills for the steel and aluminium industries
- Paper machine soleplates
- Turbines, generators, pumps and centrifugal compressors
- Anchor bolts and bars
- 'H' shape steel columns, steel tube columns

FEATURES AND BENEFITS:

- Iron reinforced - contains inert iron aggregate as internal reinforcement to provide improved resistance to heavy impact, vertical and horizontal repetitive loading as well as rotational torque
- High early strength - ensures rapid commissioning of new equipment and structures, and minimum downtime on repair work
- High ultimate strength - ensures permanence of the installation under static and repetitive loading
- Flowable long life grout - easy to grout intricate spaces normally inaccessible by conventional grouting technique
- Extended working time - up to 1.25 hours even at high ambient temperatures - facilitates grouting of large or difficult placements in a single pour, often without the use of a pump
- Dense, non-shrink grout - hardens free of bleeding, settlement and drying shrinkage, when mixed and placed at any recommended consistency, thus ensuring it remains in tight contact with all grouted surfaces
- No added chloride
- Compliance with codes - meets the non-shrink requirements of CRD-C 621, Corps of Engineers Specification for Non-Shrink Grout, and provides complete non-shrink performance when tested in accordance with AS 2073, section 12, Bedplate Technique

ESTIMATING DATA:

20kg of MASTERFLOW 880 mixed to a flowable consistency produces approximately 9.2 litres (0.0092m³) of grout.

PACKAGING:

MASTERFLOW 880 is packaged in 20kg moisture resistant bags.

COATINGS AND IMPREGNANTS

	CHARACTERISTIC							APPLICATION						
	Thickness (mm)	Flexible	Vapour Permeable	Impregnant	Hydrophobic	UV Resistant	Coloured	CO ₂ Resistant	SO ₂ Resistant	Roller	Trowel	Brush	Spray	Texture Finish
Masterseal 150E	0.3	●												
Masterseal 160D	0.2													
Masterseal 355														
Masterseal 360														
Masterseal 360 Crème														
Masterseal MCI 2020														
Protectosil CIT														

MASTERSEAL® 355

Silane/Siloxane based hydrophobic impregnant

DESCRIPTION:

MASTERSEAL 355 is a one-component, transparent, penetrating silane/siloxane impregnant. The product reacts chemically with a mineral substrate to form a surface that is repellent to water yet still permeable to water vapour. MASTERSEAL 355 protects and preserves the substrate without altering the natural surface texture or colour.

RECOMMENDED FOR:

MASTERSEAL 355 is recommended for weatherproofing exterior building brickwork, concrete, cement rendered concrete blocks, natural or cast stone etc.

FEATURES AND BENEFITS:

- Economical
- Deeply penetrating
- Permeable to vapour
- Inhibits mould growth
- Reduces unsightly staining
- One component - 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.

MASTERSEAL 355 molecules are very small and highly mobile. The relatively slow solvent evaporation rate at 25°C allows it to enter even the smallest pores. Its water vapour permeability allows the surface to 'breathe' naturally. The application of MASTERSEAL 355 greatly extends the life and colour retention of brickwork. MASTERSEAL 355 can be used as an additional priming coat prior to acrylic protection barriers such as MASTERSEAL 160D or ELASTIC against CO₂ and SO₂

ESTIMATING DATA:

Coverage will vary greatly depending on the porosity and absorbency of the substrate. On normal brickwork, coverage is approximately 4m² per litre. On very porous substrates, consumption may be up to 2m² per litre, on only slightly absorbent substrates it may reduce to 6m² per litre per coat. The quantity of material required for the second coat, when required, is approximately half of the quantity required for the first coat.

PACKAGING:

MASTERSEAL 355 is available 20 litre drums.

CURING MEMBRANES & RELEASE AGENTS

Masterkure 240	> 90	●							
Masterkure 250	> 90								
Masterkure 402									
Masterkure 404	> 90								
Masterkure 100	> 90								
Rheofinish 211									
Rheofinish FR222									
Rheocure 736	> 90								

MASTERKURE® 250

Water based hydrocarbon resin curing compound

DESCRIPTION:

MASTERKURE 250 is a hydrocarbon resin based curing compound for newly placed concrete. It forms a flexible film, which prevents concrete drying out during the critical early stages of hydration thus ensuring satisfactory curing of the concrete. MASTERKURE 250 meets the water retention requirements of AS3799-1990 'Specification for Liquid Membrane-Forming Curing Compounds for Concrete' when applied at the recommended application rate. It has been formulated from special aliphatic resins and is dispersed in water.

RECOMMENDED FOR:

- Large areas of external concrete paving
- Concrete road pavements

MASTERKURE 250 is not recommended for:

- application when toppings or coatings are to be applied for coloured concrete finishes

FEATURES AND BENEFITS:

- Water dispersed thus low toxicity to operatives and the environment
- Efficient curing of concrete, assists the development of strength, abrasion resistance and durability and reduces the likelihood of cracking or dusting at the surface
- Easy to use, quick means of curing which requires no further attention, eliminates the problems of messy water curing or awkward polyethylene film
- Designed to become brittle and lose adhesion to concrete after 6-8 weeks
- Can contain fugitive dye to assist in achieving uniform coverage

ESTIMATING DATA:

Actual coverage depends on the texture and porosity of the surface. The recommended application rate is 5m² per litre to comply with AS3799-1990.

PACKAGING:

MASTERKURE 250 is available in 20 litre and 200 litre drums.

MASTERKURE® 402

Solvent based acrylic curing compound and sealer

DESCRIPTION:

MASTERKURE 402 is a clear, acrylic, copolymer, curing compound and sealer for use on plain or coloured concrete. MASTERKURE 402 meets and exceeds the moisture retention requirements of ASTM C-309 'Specification for Liquid Membrane-Forming Compounds' when applied at the recommended application rate.

RECOMMENDED FOR:

- Curing and sealing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications
- Curing cementitious toppings and surface hardening finishes, particularly those containing metallic aggregates (MASTERTOP®)
- Efficient curing compound for all cementitious grouts and mortars including iron and natural aggregate formulations (MASTERFLOW®)
- Curing concrete that is subject to tiling or carpet adhesives without removal

FEATURES AND BENEFITS:

- Efficient curing of concrete, when applied at the recommended rate - MASTERKURE 402 effectively seals in moisture to facilitate complete hydration of cement, resulting in maximum strength, increased durability, greater wear resistance and minimum surface dusting
- Safe - will not increase the slipperiness of concrete floors
- Easy to use - can be applied by brush, roller or spray
- Can be applied to smooth or rough surfaces
- Does not require removal before tiling with proprietary cement-based adhesives

ESTIMATING DATA:

For curing fresh concrete floors, apply at a rate of 5m² per litre to meet moisture retention requirements of ASTM C-309.

For sealing of existing plain or coloured concrete floors, coverage will vary depending on the texture and porosity and ambient temperatures however it will generally be in the range 7.5 to 10m² per litre per coat, two coats recommended.

PACKAGING:

MASTERKURE 402 is available in 20 litre and 205 litre drums.

MASTERKURE® 404

Water based acrylic curing compound and sealer

DESCRIPTION:

MASTERKURE 404 is a clear, water based acrylic, copolymer, curing compound for use on plain or coloured concrete. MASTERKURE 404 meets and exceeds the moisture retention requirements of AS3799-1990 'Specification for Liquid Membrane-Forming Compounds' when applied at the recommended application rate.

RECOMMENDED FOR:

- Curing plain and coloured fresh concrete floors, smooth or textured surfaces, indoor or outdoor applications
- Curing cementitious toppings and surface hardening finishes
- Efficient curing compound for all cementitious grouts and mortars
- Curing concrete that is subject to tiling or carpet adhesives without removal

FEATURES AND BENEFITS:

- Efficient curing of concrete, when applied at the recommended rate, MASTERKURE 404 effectively seals in moisture to facilitate complete hydration of cement, resulting in maximum strength, increased durability, greater wear resistance and minimum surface dusting
- Safe - will not increase the slipperiness of concrete floors
- Easy to use - can be applied by brush, roller or spray
- Can be applied to smooth or rough surfaces
- Does not require removal before tiling with proprietary materials before tiling with cement based adhesives

ESTIMATING DATA:

For curing fresh concrete floors, apply at a rate of 5m² per litre to meet moisture retention requirements of AS3799-1990.

For sealing of existing plain or coloured concrete floors, coverage will vary depending on the texture and porosity and ambient temperatures however it will generally be in the range 7.5 to 10m² per litre per coat, two coats recommended.

PACKAGING:

MASTERKURE 404 is available in 20 litre and 200 litre drums.

MASTERKURE® 100

Wax emulsion curing compound

DESCRIPTION:

MASTERKURE 100 is a wax emulsion compound for curing fresh moist plain concrete. It forms a flexible film, which prevents concrete drying out during the critical early stages of hydration thus ensuring satisfactory curing of the concrete. MASTERKURE 100 meets the requirements of AS 3799-1990. 'Specification for Liquid Membrane - Forming Curing Compounds for Concrete' when applied at the recommended application rate.

RECOMMENDED FOR:

- All types of external concrete paving
- Applications where damp curing is impracticable
- Concrete road pavements to prevent base course bonding to top course

MASTERKURE 100 is not recommended for application:

- When subsequent renders, toppings or coatings are to be applied and for coloured concrete finishes

FEATURES AND BENEFITS:

- Efficient curing of concrete, assists the development of strength, abrasion resistance and durability and reduces the likelihood of cracking or dusting at the surface
- Easy to use, quick - means of curing which requires no further attention, eliminates the problems of messy water curing
- Safe to use - MASTERKURE 100 is non-flammable, non-corrosive, non-toxic and non-staining, less hazardous than some other method of curing

ESTIMATING DATA:

Actual coverage depends on the texture and porosity of the surface. The recommended application rate is 5m² per litre to comply with AS3799-1990.

PACKAGING:

MASTERKURE 100 is available in clear or white pigmented in cube of 20 litre drums of 200 litre or bulk for pumping into the site storage tanks.

CONCRETE REPAIR - CEMENTITIOUS

	APPLICATION																	
	Maximum layer thickness (mm)	Trowel	Pouring	Spray	Gunite		Vertical	Overhead	Horizontal	Comp. Strength at 28d (MPa)	Flex. Strength at 28d (MPa)	E. Modulus (GPa)	Density (kg/L)	Polymer Modified	C.P. Overlay	Underwater	Shrinkage Compensated	Available with MCI
Emaco Nanocrete R4 Flowable	100		●							70	8	25	2.3					
Emaco Nanocrete R4	50									70	8	30	2.2					
Emaco Nanocrete R3	75									45	7	25	2.0					
Emaco S90 LW										27	3	20	2					
Emaco T545	100									48	4.5	31	2					
Emaco T920	100									85	9	38	2					
Shotpatch 20	50/150									70	6	30	1.9					
Shotpatch 20S	50/150									60	6	30	1.9					
Shotpatch 22S	50/150									60	6	30	1.9					
Emaco R1	100									26	4.3	20	1.42					
Emaco Nanocrete R2	100									35	4.0	20	1.5					
Emaco CP15										60	8	25	2					
Emaco Nanocrete FC																		
Emaco Nanocrete AP	3									40	7	12	2					

Reinforcing steel primer + bonding agent with active corrosion inhibitors

CONCRETE REPAIR - RESINOUS

ADHESIVE / SURFACE SEAL	Potable water cert.						
	Non-shrink						
	Twin pack cartridge						
	SCB Process Resin						
	Equal parts						
	Saturated surface dry						
	Wet surfaces						
	Ready-to-use mortar						
	Multi-purpose binder						
	VISCOSITY	High					
Medium		●					
Low							
Very low							
	Concresive 1444						
	Concresive 1425						
	Concresive 1446						
	Concresive 2525						
	Concresive 2530						
	Concresive 1375						

EMACO® NANOCRETE R4 FLOWABLE

Cementitious pourable shrinkage compensated structural repair mortar

DESCRIPTION:

Emaco Nanocrete R4 Flowable is a ready-to-use, cementitious repair mortar. Mixed with water it provides a rheoplastic, non segregating mortar with high strengths. Emaco Nanocrete R4 Flowable contains synthetic fibres to resist plastic cracking.

RECOMMENDED FOR:

Emaco Nanocrete R4 Flowable is used for the structural repair of concrete elements such as:

- Columns, piers and cross beams of all bridges
- Cooling towers and chimneys and other industrial environments
- Water treatment and sewerage facilities
- Tunnels, pipes, outfalls and all below ground construction especially in harsh ground conditions
- Marine structures
- Available with active corrosion inhibiting additives (MCI)

FEATURES AND BENEFITS:

- Formulated with shrinkage compensation systems and fibre reinforcement to minimise crack tendency by controlling the Nanostructures in the matrix
- Highly fluid - can be applied from to 40 to 100 mm without the need of secondary reinforcement
- High early and ultimate strengths
- Outstanding workability for easy placing and finishing
- High modulus and excellent adhesion to host concrete ensuring load transfer
- Excellent freeze/thaw resistance
- High carbonation resistance
- Sulphate resistant
- Very low permeability to water and chlorides
- Improved safety with cemprotector and Low chromate (Cr[VI] < 2 ppm)
- Chloride-free

ESTIMATING DATA:

One 20kg bag will yield approximately 10.0 litres of mortar when mixed with 1.7 litres of water. Approx. 2.15kg of mixed product per m² per mm layer thickness (approx. 2kg of dry powder per m² and mm layer thickness). This consumption is theoretical and depends on the roughness of the support, amount of rebar, wastage etc, for which reason it should be verified in each particular job by means of "in situ" tests.

PACKAGING:

Emaco Nanocrete R4 Flowable is available in 20kg bags.

EMACO® NANOCRETE R4

High-strength, shrinkage compensated, fibre reinforced, structural repair mortar

DESCRIPTION:

Emaco Nanocrete R4 is a single component, extra high-strength, high modulus, shrinkage compensated structural repair mortar that meets the requirements of the new European Norm EN 1504 part 3 class R4. It is a ready-to-use material that contains Portland cement, well graded sands, specially selected polymer fibres and special additives to significantly reduce the risk and incidence of shrinkage cracking. When mixed with water, it forms a highly thixotropic mortar that can easily be spray or trowel applied.

RECOMMENDED FOR:

Emaco Nanocrete R4 is used for the structural repair of concrete elements such as:

- Columns, piers and cross beams of all bridges
- Cooling towers and chimneys and other industrial environments
- Water treatment and sewerage facilities
- Tunnels, pipes, outfalls and below ground construction in harsh ground conditions
- Marine structures
- Available with active corrosion inhibiting additives (MCI)

FEATURES AND BENEFITS:

- Can be applied inside and outside, on vertical and overhead surfaces, in dry and wet environments
- Formulated with shrinkage compensation systems and fibre reinforcement to minimise crack tendency by controlling the Nanostructures in the matrix
- Highly thixotropic - can be applied up to 50 mm without the need of secondary reinforcement
- High early and ultimate strengths
- Outstanding workability for easy placing and finishing
- High modulus and excellent adhesion to host concrete ensuring load transfer
- Excellent freeze/thaw resistance
- High carbonation resistance
- Sulphate resistant
- Very low permeability to water and chlorides
- Low chromate (Cr[VI] < 2 ppm)
- Chloride-free

ESTIMATING DATA:

One 20kg bag will yield approximately 10.5 litres of mortar. Approx. 2.2 kg of mixed product per m² per mm layer thickness (approx. 2 kg of dry powder per m² and mm layer thickness). This consumption is theoretical and depends on the roughness of the support, amount of rebar, wastage etc, for which reason it should be verified in each particular job by means of "in situ" tests.

PACKAGING:

Emaco Nanocrete R4 is available in 20kg bags.

EMACO® NANOCRETE R2

Universal, fast-setting, polymer modified, fibre reinforced, lightweight repair and levelling mortar

DESCRIPTION:

Emaco Nanocrete R2 is a universal, single component, polymer modified, fast setting, repair, re-profiling and levelling mortar. Emaco Nanocrete R2 is a ready-to-use material that contains special cements, well graded sands, carefully selected polymers and fibres to reduce shrinkage and improve physical and application properties. When mixed with water, it forms a mortar with an exceptional wide range of applications. Emaco Nanocrete R2 can easily be hand or trowel applied in thicknesses from 3 up to 100 mm.

RECOMMENDED FOR:

Emaco Nanocrete R2 is used for the non-structural repair of concrete elements like balconies edges, building facades, parapet walls, precast panels, beam edges and stair nosings. It is ideal for general, nonstructural patch repairs where fast setting properties with short over-coating times are needed. It exhibits excellent high build properties allowing up to 100 mm thickness in one layer. Can be overcoated after only 4 hours @ 20°C. Emaco Nanocrete R2 can be applied as a smoothing or levelling coat at only 3 mm thick on large vertical and overhead areas to achieve a more aesthetic finish e.g. prior to painting. It can be applied inside and outside, on horizontal, vertical and overhead surfaces, in dry and wet environments. Available with active corrosion inhibiting additives (MCI).

FEATURES AND BENEFITS:

- Formulated with shrinkage compensation systems and fibre reinforcement to minimise crack tendency by controlling the Nanostructures in the matrix
- Smooth, creamy, non-slump mortar - Superb application properties and feel on the trowel; easy to create profiles and corners without formwork
- Excellent high build capacity - can be applied 80 - 100 mm in horizontal or vertical applications in one layer, or even 70 – 80 mm overhead
- Minimum layer thickness of 3 mm so can be used as large area fairing coat
- Multi-use- fairing coat and patch repair mortar in one
- Fast setting - can be over-coated in only 4 hours
- Good strength development exceeding requirement of Class R2 of EN1504 part 3
- Low modulus of elasticity
- Improved safety with Cemprotector and Low chromate ($\text{Cr}[\text{VI}] < 2 \text{ ppm}$)
- Chloride-free

ESTIMATING DATA:

One 20kg bag will yield approximately 13 litres of mortar. Approx. 1.8 kg of mixed product per m^2 per mm layer thickness (approx. 1.5 kg of dry powder per m^2 and mm layer thickness). This consumption is theoretical and depends on the roughness of the support, wastage etc, for which reason it should be verified in each particular job by means of “in situ” tests.

PACKAGING:

Emaco Nanocrete R2 is available in 20kg bags.

EMACO® NANOCRETE FC

Cementitious polymer modified thin layer fairing mortar

DESCRIPTION:

Emaco Nanocrete FC is a concrete-grey, ready-to-use mortar based on hydraulic binders, high grade quartz sands and modified with synthetic polymers. It contains no chlorides or other salts that might cause corrosion or blooming.

RECOMMENDED FOR:

Emaco Nanocrete FC is especially 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. Emaco Nanocrete FC is an ideal substrate for coatings. It is also used for laying ceramic and concrete tiles, and as a thin bed mortar for the placement of light-weight blocks, insulation boards and hollow masonry units (HMU). Emaco Nanocrete FC is ideal for thin resurfacing of damaged concrete surfaces, such as in rain damaged slabs and for use in non-moving crack repairs.

FEATURES AND BENEFITS:

- Economical
- For thin layer patching
- As base layer for coatings, tiles and panels
- Quick and easy to apply
- Excellent bonding
- Very durable
- Shrinkage compensated
- Feather edging possible
- Water and weatherproof
- High early strength

Well mixed Emaco Nanocrete FC yields a plastic, thixotropic compound, that is easily applied. It is non-sagging on vertical surfaces or overhead. The very fine polymers ensure excellent anchorage and adhesion to the substrate and improves the water retention considerably, thus preventing the formation of cracks. After curing, Emaco Nanocrete FC is waterproof and resistant to weather and frost. Besides high compressive strength, it offers excellent bonding and tensile strengths.

ESTIMATING DATA:

A 20kg bag of Emaco Nanocrete FC mixed with 4 litres of water yields 12 litres (0.012m³), therefore material requirement is 5kg/m² @ 3mm thickness

PACKAGING:

Emaco Nanocrete FC is available in 20kg bags.

EMACO® NANOCRETE AP

Single component, cement based, multi-use, bonding and active protective primer

DESCRIPTION:

Emaco Nanocrete AP active primer, not only reinstates a high pH environment it also contains active corrosion inhibiting additives for the protection of reinforcement steel. It can also be used as an adhesive bonding slurry for subsequent repair mortars. When mixed with water, it forms a slurry that can be applied by brush to the clean exposed reinforcement, or directly on the dampened, prepared concrete substrate when used as a bonding coat.

RECOMMENDED FOR:

Emaco Nanocrete AP is used for the protection of reinforcement steel:

- When steel is visible and the available depth of cover is less than 10 mm
- When concrete is contaminated with chlorides
- In critical environments when extra protection is specified
- With Emaco Nanocrete R2 repairs when steel is visible
- When the timing at the jobsite does not allow for the repair mortars to be applied immediately after cleaning the steel

Emaco Nanocrete AP can also be used to aid bond and application properties of hand applied repair mortars in extreme thicknesses and conditions.

FEATURES AND BENEFITS:

- Meets all major international norms for steel priming in concrete repair systems
- Excellent rust inhibiting properties as it reinstates a high pH environment
- Contains active corrosion inhibitors to further protect the steel
- Polymer modified for additional adhesive bond to the steel
- Does not affect the pull out strength of reinforcement steel
- Perfect compatibility with steel rebars and concrete or repair mortars
- Fast curing to save time and money
- Simply mixed with water
- Multi-use: can also be used as a bonding slurry to improve bond and application thicknesses of Emaco repair mortars on prepared concrete surfaces
- Light grey/off white colour for easy site control of reinforcement coverage
- Supplied in re-usable air-tight containers
- Low chromate (Cr[VI] < 2 ppm)

ESTIMATING DATA:

Approx. 1.5 kg of dry powder per m² and mm layer thickness. This consumption is theoretical and depends on the roughness of the substrate. It should be verified on each particular job by means of "in situ" tests.

PACKAGING:

Emaco Nanocrete AP is available in 5kg plastic re-sealable pails.

EMACO® T545 (EMACO® SET 45)

Rapid setting trafficable repair mortar

DESCRIPTION:

EMACO T545 is a single-component concrete repair and anchoring material, which sets in 15 minutes and takes rubber-tyre traffic 45 minutes after placement. This product bonds to both concrete and masonry and can be used indoors and outdoors for a variety of highway and heavy industrial repair jobs.

RECOMMENDED FOR:

- Bridge deck and highway overlays
- concrete pavement joint repairs
- Airport runway light installations
- Full-depth structural repairs
- Expansion device nosings
- Heavy industrial repairs

FEATURES AND BENEFITS:

- Easy to use - just add water
- Wide temperature use range - from below freezing to hot weather
- Rapid, high-early strength
- Superior bonding - no bonding agent is needed
- Resistant to freeze/thaw cycles and de-icing chemicals
- Thermal expansions/contraction rate similar to Portland cement concrete
- Virtually no drying shrinkage
- Only air-curing required

ESTIMATING DATA:

A 20kg bag of EMACO T545 mixed with 1.4 litres of water yields 10 litres

PACKAGING:

EMACO T545 is supplied in 20kg bags.

EMACO® T920

Cementitious high strength rapid setting trafficable repair mortar

DESCRIPTION:

EMACO T920 is a high strength micro concrete pavement repair mortar for the repair of concrete surfaces in both new and existing construction. Highly workable, this multi-purpose pea gravel mortar handles easily at 100mm slump and possesses excellent working time and superior performance.

RECOMMENDED FOR:

- Floor repair and overlay
- Pavement repair
- Traffic surface repair
- Repairs to structural members including pre-stressed and post-tensioned elements

FEATURES AND BENEFITS:

- High ultimate strength
- Increased abrasion resistance (up to twice that of normal concrete)
- Pre-packaged and proportioned material
- Extended working time aids the finishing and/or enables the application of dry shake finishes
- Shrinkage compensated

When EMACO T920 Mortar is used to patch concrete, the repairs will be more durable than those made with conventional patching materials. The life of the repair is primarily limited by the degree and extent of surface preparation.

NOTE: Cannot be feather edged, as this will compromise this durability.

ESTIMATING DATA:

A 20kg bag of EMACO T920 mixed with 1.8 litres of water yields 10 litres (0.01m³).

PACKAGING:

EMACO T920 is available in 20kg moisture resistant bags.

CONCRESlVE® 1446

Thixotropic epoxy mortar and adhesive for high build applications

DESCRIPTION:

CONCRESlVE 1446 is a thixotropic paste adhesive based on a two-component solvent-free epoxy resin system. CONCRESlVE 1446 is designed as a structural adhesive and may be used to bond precast elements and segments. The consistency of the material ensures that minor variations in the bonding surfaces can be catered for without compromising the strength of the bond.

CONCRESlVE 1446 may also be used as a polymer repair mortar and as a bonding agent for new concrete. CONCRESlVE 1446 will bond to a wide variety of building and construction materials including concrete, masonry, timber and metals. The individual product components A and B have been pigmented to provide a visual aid to mixing.

RECOMMENDED FOR:

- Structural bonding of precast elements
- Bonding new concrete to old
- Bonding a wide variety of building and construction materials
- As a repair mortar, may be mixed with kiln dried sands for deep repair (>25mm)

FEATURES AND BENEFITS:

- Suitable for contact with potable water - complies with AS 4020
- Solvent-free
- Excellent adhesion
- Can be applied to damp substrates
- Components pigmented to aid mixing
- Pre-proportioned
- Applicable at low temperatures
- Will bond to most substrates

ESTIMATING DATA:

3.4 kg of CONCRESlVE 1446 will cover approximately 1m² at 2mm of thickness.

PACKAGING:

CONCRESlVE 1446 is a two-component system available in a choice of pack sizes which, when mixed according to directions, yield approximately:

		3kg (1.76L)	15kg (8.85L)
Comprising	Part A	2kg	10kg
	Part B	1kg	5kg

CONCRESlVE® 2525

Solvent-free epoxy binder and structural adhesive

DESCRIPTION:

CONCRESlVE 2525 is a solvent-free, high performance, versatile epoxy resin binder that can be used as a binder to produce a range of epoxy resin based mortars and as a bonding agent for both epoxy resin systems and cement-based mortar. CONCRESlVE 2525 can be applied to both dry and damp surfaces and adheres to most substrates after proper preparation.

RECOMMENDED FOR:

- Structural bonding of new to old concrete
- Production of epoxy resin mortars for floor toppings
- Production of epoxy resin mortars to grout bolt holes
- Steel bonding
- Rapid structural repair of concrete
- Grouting dowels
- Priming of concrete floors prior to applying MASTERTOP Flooring System

FEATURES AND BENEFITS:

- Excellent adhesion
- Adheres to dry or damp surfaces
- Solvent-free
- Low viscosity
- High abrasion resistance
- Excellent chemical resistance
- Pre-proportioned packaging
- Multi-purpose binder
- Approved for contact with potable water AS 4020 compliance

ESTIMATING DATA:

V/V Binder to Aggregate Ratio

1:2 (F1 Filler) Yield = 0.75 total ratio

1:3 (F1 Filler) Yield = Filler Volume (3 Litres)

1:4 (F1 Filler) Yield = Filler Volume (4 Litres)

1:5 (F2 Filler) Yield = Filler Volume (5 Litres)

Priming coverage 4-6m² litre

PACKAGING:

CONCRESlVE 2525 is available in 2 and 20 litre kits:

		2 Litre	20 Litre
Comprising	Part A	1.5 Litre	15 Litre
	Part B	0.5 Litre	5 Litre

EMACO® 157 PRIMER (BARRA® EMULSION 57)

SBR acrylic based bonding and polymer modifying agent for concrete and mortars

DESCRIPTION:

EMACO 157 PRIMER is an aqueous emulsion of styrene-butadiene copolymer latex, specially formulated for use in cementitious mixtures to improve wear resistance, durability and waterproofing and bonding properties.

EMACO 157 PRIMER is also compatible with sulphate-resisting or high alumina cement and gypsum plaster.

RECOMMENDED FOR:

EMACO 157 PRIMER is the ideal SBR-latex recommended for use:

- With cement as a bonding slurry
- In weather resistant external or interior renderings
- In floor screeds and toppings, or plasters for improved chemical resistance
- In repair of honeycombed and spalled concrete, beams and precast elements
- In tile or mosaic bedding compounds for bedding tiles or re-fixing slip bricks

FEATURES AND BENEFITS:

- Water resistant
- Excellent adhesion to concrete, steel and brick
- High abrasion resistance
- Good resistance to salts, mineral oils and many other chemicals
- Reducing bleeding
- Greatly increased durability
- High flexibility
- Plasticising effect and reduced shrinkage
- Highly increased tensile strength
- Improved corrosion protection
- Allows lower water:cement ratio

ESTIMATING DATA:

See Data Sheet

PACKAGING:

EMACO 157 PRIMER comes in 5 litre plastic jerry cans, 20 litre plastic cubes and 205 litre drums.

MASTERKURE® 111

Evaporation retardant and finishing aid for fresh concrete

DESCRIPTION:

MASTERKURE 111 is an evaporation retardant and finishing aid, which aids in producing high quality concrete flatwork. It retards water evaporation, regulates the surface condition of the slab and permits better adherence to finishing schedules. MASTERKURE 111 is especially effective in combating rapid-drying conditions such as high temperatures, low humidity and high winds.

RECOMMENDED FOR:

- All types of concrete slabs, toppings and finishing operations including:
- Concrete containing water reducing, retarding or accelerating admixtures
- Air-entrained concrete
- Tilt-up, lift slab, precast, or prestressed concrete
- Metallic or natural aggregate dry shakes and toppings
- Coloured concrete
- Burnished hard trowel, non-slip swirl-trowelled or wood float finishes
- Hand or machine finishing
- Membrane-type curing compounds, plastic sheeting, waterproof paper or ponding

FEATURES AND BENEFITS:

- Reduces surface moisture evaporation by about 80% in wind and 40% in sunlight, has no effect on the cement hydration process
- Concrete quality improves as a result of control of rapid evaporation
- Easier finishing - the surface closes better under the trowel giving as improved finish with less work. Reduces or eliminates crusting, stickiness and underlying sponginess which often results in unevenness and poor surface texture
- Supplements hot weather concreting practices - by combating rapid-drying conditions and retarding evaporation, it can reduce or eliminate plastic shrinkage cracking and wind crusting
- Eliminates the practice of adding extra mixing water to compensate for evaporation during finishing
- Encourages use of air-entraining agents required for durability and workability
- Faster finishing - under rapid drying conditions the amount of surface handles per finisher is increased because the surface remains plastic and finishable for longer
- Economical - timing of various finishing operations is less critical thus reducing the overall cost

ESTIMATING DATA:

MASTERKURE 111 should be diluted with water in the ratio of 1 part MASTERKURE 111 to 9 parts water. 10 litres of diluted solution covers 50-100m² depending on surface texture.

PACKAGING:

MASTERKURE 111 is available in a 5 litre plastic jerry can and 20 litre plastic cubes.