CONSTRUCTION SOLUTION PRODUCT RANGE:



CONSTRUCTION RANGE

Cemix® has an extensive range of construction and trade products. This brochure includes a sample of products from the range. The range includes mortars, tile adhesives, waterproofing bandages and tapes, waterproofing membranes, grouts, patching, topping and screeding products as well as our top selling admixtures and sealers. For the full range of Cemix® Construction Range of products, please visit our website www.cemix.co.nz.

For technical specifications, data sheets and material safety data sheets, please visit our website.

If you are unsure about any products, please do not hesitate to call our helpful Cemix® technical team on 0800 ASK CEMIX.





SCAN TO VISIT CEMIX'S "HOW TO" **VIDEO TUTORIALS ON YOUTUBE**





SCREED-40

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Cemlevel10

CEMIX

Cemlevel10 is pump or hand applied self-levelling cementitious underlay & topping designed for application thicknesses from 3mm - 30mm in one operation. It is used for toppings & floor underlays on concrete slabs in residential and commercial applications.

- Self-levelling underlay & topping to concrete slabs in residential & commercial applications, floor preparation underlay for vinyl, carpets, timber and epoxy overlays.
- Mix and pour: easy to apply. Can be walked on in 2 hours.
- Can be overlayed in 48 hours.

Cemscreed40

- Shrinkage compensated.
- Used in underfloor heating situations.
- Inside / exterior use.





Cemscreed40 is a high strength floor screed, topping & paving bedding mortar for 10mm - 50mm deep applications. It has increased abrasion resistance as well as a high early

- Cost effective
- · Good compressive strength
- Good bond strength Shrinkage compensated

Cow Shed

& durability are required.

Shrinkage compensated

30MPa @ 6 hours

High bond strength & durable

• One component (just add water)

Repair

40MPa @ 28 days



Cow Shed Repair is a fibre reinforced, polymer modified,

for concrete repairs in horizontal applications. It contains crystalline concrete waterproofing and reactive microsilica

Super high early strength. Trafficable in 6 hours

admixtures, providing corrosion protection to reinforcement steel and enhancing overall durability. It is used for remedial



Cemplaster

Cemplaster is designed for 12mm and above solid

- Suitable for most block and brick walls
- Cemsplash needs to be used in conjuction with Cemplaster as a key coat before application to bonding for Cemplaster.

Structural Repair VO

Structural Repair VO is a high performance, fibre reinforced, polymer modified, shrinkage compensated concrete repair mortar. It contains crystalline concrete waterproofing and reactive microsilica admixtures, providing corrosion protection to reinforce steel and enhance overall durability. It is typically hand placed but can also be wet sprayed onto concrete substrates. is used in remedial works where high performance & durability are required.

- Versatile 5mm to high-build application depths Vertical overhead & horizontal use
- Hand placed or wet sprayed
- · One component (just add water) and durable.
- · Fibre reinforced. Polymer and reactive micro silica modified.
- Shrinkage compensated with high bond strength.

Structural Repair H

Structural Repair H is a high performance, fibre reinforced, polymer modified, shrinkage compensated concrete repair mortar & topping. It contains crystalline concrete waterproofing and reactive microsilica admixtures, providing corrosion protection to reinforce steel and enhance overall durability.. It is used for remedial work & toppings on concrete where high performance & durability are required.

- Horizontal repairs & toppings · One component (just add water)
- Fibre reinforced & polymer & reactive micro-silica
- modified. Shrinkage compensated
- High bond strength. Durable Contains an integral crystalline concrete durability
- enhancer & waterproofing material.

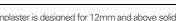
50MPa @ 28 days

Cemsplash



Cemsplash is a rapid (key coat). It forms an excellent key for application of solid wall plaster 12mm and above. This can be used on certain painted substrates, but please contact a Cemix® representative for guidance.

- Application over block work, brick work and other bare concrete substrates
- This product should be used in conjunction with
- Cemix® Cemplaster. Forms an excellent key coat for application of solid
- wall plaster.
- One component
- Just add water



- Solid wall plaster bagged product for professional
- Has non-shrink & non crack additives.
- Computerised batching to ensure consistency.
- the substrate. Cemsplash is used to aid surface

Cemgrout

Cemgrout GP is a high performance, general purpose, high flow, non-shrink cementitious grout. It contains admixtures that provide positive expansion when the grout is in its plastic state and is also shrinkage compensated when in the hardened state. Characteristics include high flow, plastic expansion, high strength, shrinkage compensation, excellent substrate adhesion and durability.

High flow

CEMIX

CEMGROUT - GP

CEMIX

CEMIX

HUCKPATCH

- Shrinkage compensated · High bond strength
- Durable
- Low chloride ion permeability Improved abrasion resistance

60MPa @ 28 days

Coloured **Trade Mortar**

Coloured Trade Mortar mix is mortar designed for the trade. It comes in eight different colours; white, black, cream, light brown, grev, dark brown, khol & vellow,

- No additives required.
- High quality masonry mortar. Contains carefully graded and processed sand fractions.
- Exhibits ideal water demand and high workability.
- A high tech blend of admixtures guarantees great

QuickPatch

1kg, 5kg, 10kg & 20kg

overhead patching & feather edged applications. It can be used up to 20mm in depth in one layer.

Quick patch fast setting, fibre reinforced, polymer

modified concrete repair mortar for horizontal, vertical &

- One component multi purpose product.
- Up to 20mm application depths. Can be feather edged
- Horizontal, vertical & overhead patching.
- Short curing times. Durable with good bond strength

30MPa @ 28 days

- Improved abrasion resistance.
- For cracks 3 20mm
- Can walk over in 2 hours but allow to fully cure for

EasyPli

Easypli powder has been formulated especially for the bricklayer and block layer who is looking for a high yield, low cost, plasticiser using a combination of non-toxic, non-staining chemical powders. Easypli will meet the needs of the tradesman by giving good extension to board life, excellent workability, good hold on the trowel and reduces water

- Can be used for all Portland cement / sand mortars for bricklaying, blocklaying and plastering.
- Needs no addition of lime or other admixtures.
- · Can be used for coloured mortars including black oxide and white cement.
- Cost effective with longer board life. Non-staining with excellent hold.
- Increased bond strength.

MortarFlex Plus Mortaflex plus is a highly concentrated powder that will

1.5kg, 3kg & 6kg

plasticise, increase open time, retain water, help prevent efflorescence, shrinking & cracking and increase bond &

- It plasticisers, increases set time & can retain water • It helps reduce efflorescence, shrinkage & cracking.
- Reduce water absorption & increase bond strength
- Economical and easy to use



Plimortar

Plimortar is a pozzolanic formulation that consists of a

combination of hydroxyl aluminium silicates and diatomite. Plimortar will extend mortars board life, reduce early stage drying and shrinkage of mortar joints, improve workability, produce water-tight joints and enhance tooling of the mortar joints without sacrificing the mortars compressive strengths.

- Improves adhesion and bond.
- Longer board life. Superior workability
- Excellent hang-ability Watertight joints.





CEMIX **E**



CONSTRUCTION SOLUTION PRODUCT RANGE:





Liquid

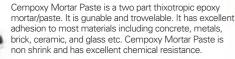
Cempoxy Liquid is a pourable, low viscosity, unfilled, high strength epoxy liquid. It has good mechanical properties and chemical resistance. Cempoxy Liquid has excellent

- High compressive strength
- High tensile strength.
- High bond strength
- Pourable & versatile

Cempoxy

Mortar Paste





- High compressive strength High bond strength.
- Durable
- Good chemical resistance

Cempoxy UA

Mortar Putty



Cemprotect

Architectural

Highly weatherproof.

Sealer

Elastomeric

Waterbased.

Semi breathable

Durable.

Cemprotect is a high performance nanotechnology penetrating hydrophobic protection treatment for all cementitious substrates, as well as natural & artificial stone. It serves to protect these substrates by keeping the surface dry through a powerful water repelling action It is waterbased making it more environmentally friendly & less toxic. Cemprotect can be used in conjunction with Architectural Sealer as a system.

Architectural Sealer is a clear, satin finish, elastomeric, film

forming sealer for weatherproofing architectural masonry.

architectural concrete, plaster, stone & similar substrates.

rchitectural masonry is notorious for surface porosity

& permeability. Architectural Sealer can be used in

conjunction with Cemprotect as a system.

- Strong water repellent action.
- Waterbased.
- Durable. UV resistant.
- Highly breathable.
- Easy to use.
- Protects against rising damp...

Cemplus

1L, 2.5L, 5L & 20L



- Reduces cracks & crazing. Cuts costs – increases productivity.
- · Eliminates need for lime.
- Reduces water absorption.
- Resists freeze thaw damage
- Helps prevent efflorescence

· Control joint shoulder repairs. Kerb repairs. Horizontal or overhead mortaring of starters, bolts, anchors & dowels.

Repairs to concrete structures.

Most epoxy mortar/putty applications

Precast concrete & concrete pipe repairs

Cempoxy UA Mortar Putty is a high performance two

to allow hand mixing. It bonds strongly to dry or damp

concrete, steel, stone, glass, aluminium etc. It sets quickly. can tolerate water & has excellent chemical resistance.

part, low-slump, non-shrink epoxy mortar/putty formulated

· Concrete pipe joints.

Concrete Hardener

Slab repairs.

Concrete Hardener is a liquid hardener and dust-proofer for use on Portland cement concrete floors

- Economical.
- · Hardens concrete floor surfaces.
- Improves abrasion resistance. · Resists the penetration of oil and grease.
- · Can be used on new or old concrete.



Multibond

Multibond is a high performance latex bonding agent for bonding of a variety of products. It is used as a multi purpose bonding primer & admixture where high performance & durability are required.

- Ready to use direct from container.
- Can be used as a primer & admixture. Exterior & interior use.
- Water based
- Can be applied with a brush, roller or spray.

INFORMATION

STRUCTURAL REPAIRS

Cemix has a wide range of structural and rapid repair mortars that can be used by construction industry for repairs to;

Strucutral Repair H

- Horizontal repairs to concrete structures & pavements
- Toppings on concrete slabs
- Factory & commercial slab repairs
- Bridge deck repairs
- Marine structure deck repairs
- Water retaining structure slab repairs
- Concrete pavements & roads
- Airport runway repairs

Strucutral Repair V/O

- Vertical & overhead repairs to concrete structures
- Columns
- Underside of beams & slabs
- Bridges & marine structures
- Water retaining structures

For more information and technical data on the Structural and Rapid Repair range visit our website www.cemix.co.nz or call 0800 ASK CEMIX





SCAN TO VISIT CEMIX'S FULL RANGE OF STRUCTURAL AND RAPID REPAIR PRODUCTS AND THEIR TECHNICAL

STRUCTURAL REPAIR V/O

Below are examples of Cemix Structural Repair V/O at work. Water leaking from the roof has travelled down through the concrete pillars in the basement and caused corrosion of the steel forcing the surrounding concrete to crack and crumble.

After shot blasting the steel and then coating it with a protective Multibond / Cement slurry, Structural Repair V/O was hand placed to repair the structure. A multi bond primer was used between the substrate and the VO.







STRUCTURAL REPAIR H

Below is an example of Cemix Structural Repair H at work. This is a concrete bund designed to control the flow of water down this access way into the bus terminal. It was open to traffic (80 buses every morning and afternoon) 7 days after placing Structural Repair H.

Note that all of our structural repair mortars contain an integral crystalline concrete durability enhancer & waterproofing admixture, which further protects & waterproofs the mortar in-depth by making it completely impermeable to water borne aggressors such as chloride ions. This admixture permanently protects the mortar & imbedded structural steel from long term corrosion & deterioration.



CEMSCREED40



CEMSCREED40 IS A HIGH STRENGTH FLOOR SCREED, PAVING AND TOPPING FOR 10 - 50MM APPLICATIONS.

- TOPPINGS & SCREEDS ON **CONCRETE SLABS**
- FLOOR PREPARATION SCREEDS
- SHOWER AND BATH BASES
- PAVING BEDDING

BITUPATCH



READY TO USE. NO MIXING REQUIRED BITUMEN COLD MIX ASPHALT FOR THE REPAIR OF POTHOLES IN ROADS, DRIVEWAYS AND PATHS.

- POTHOLES IN ASPHALT
- REPAIRS DETERIORATING ASPHALT
- SPEED HUMPS & RAMPS
- WATER CHANNELS

THREE EASY STEPS TO APPLY 1. CLEAN 2. COMPACT

CEMGROUT GP



HIGH PERFORMANCE, GENERAL PURPOSE, HIGH FLOW, NON-SHRINK CEMENTITIOUS GROUT.

- HIGH FLOW
- HIGH STRENGTH
- SHRINKAGE COMPENSATION
- EXCELLENT SUBSTRATE ADHESION
- EXCELLENT DURABILITY

