

Concrete Repair, Additives and Grouts



Product description

Cemcrete improves toughness and adhesion when added to cement based mixtures. Cemcrete is a high molecular weight polymer concentrate.

Cemcrete dilution ratios

Application	Cemcrete	Water
Sealing coat	1 part	4 parts
Bond coat	1 part	1 part
Cement admixture	1 part	1.5 parts

Recommended uses

- Bonding new concrete to old
- Bond coat for:
 - Cement Render
 - Solid Plaster
 - Patching
 - Cement Toppings
- Improving toughness and adhesion of cement renders and solid plaster
- Priming, sealing and dust proofing interior concrete walls and floors

Suitable for use on

- Concrete
- Concrete Block
- Brick
- Timber
- Fibre Cement Sheet
- Plasterboard

Features and benefits

- Economical
 - High concentration
 - High molecular weight polymer
 - High dilution
- Strong bond
- User Friendly – clean up with water
- User Friendly – low odour

Precautions

- Not to be used where prolonged contact with or immersion in water are expected
- Apply to substrates with temperature above 5°C.
- Do not apply to any material containing bitumen
- Surfaces may appear darker after Cemcrete has dried

Typical properties

Typical properties after 7 days cure at 25°C and 50% relative humidity.

Chemical Type	High Molecular Weight Resin Dispersion
Service Temperature	-15°C to + 45°C
Application Temperature	+10°C to + 40°C
Colour	White in wet state. Dries clear.

Surface preparation

Surfaces must be free from oil, grease, dust, release agents, sealants, adhesives, paint or other substances that may interfere with the bond or penetration of Cemcrete.

Acid wash, scabble or shotblast as required to remove surface contaminants and to provide a mechanical “key” for renders or toppings.

Application instructions

Sealing Coat

- Seal interior concrete floors to prevent dusting or to slow down oil penetration.
- Priming / sealing cement render, plasterboard, fibre cement prior to painting with water-based decorative paints.

Dilute Cemcrete 1 part in 4 parts of water. Apply to surface to be sealed with brush, roller or airless spray.

Allow 24 hours to dry before putting surface to use.

Cement Render / Solid Plaster

1. Primer / Sealer: Prime surface with 1 part Cemcrete in 4 parts water.
2. Bond Coat: When primer coat is touch dry apply bond coat of 1 part Cemcrete and 1 part water.
3. Render / Solid Plaster: Add 1 part Cemcrete in 1.5 parts water as gauging water in render / solid plaster.
4. Apply render / solid plaster mix to bond coat while it is still tacky.

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Cement Mortar / Patching

Add 1 part Cemcrete in 1.5 parts water as gauging water in tiling and patching mortars to improve strength and bonding.

Bonding New to Old Concrete

1. Primer / Sealer: Prime surface with 1 part Cemcrete in 4 parts water.
2. Bond Coat: When primer coat is touch dry apply bond coat of 1 part Cemcrete and 1 part water
3. To improve concrete properties use 1 part Cemcrete to 1.5 parts water in place of gauging water.
4. Pour new concrete while bond coat is still tacky

Suggested formulas

Splash Coat

Creates a rough surface to provide a key for cement renders.

Apply primer / sealer then apply a bond coat per "Cement Render" instructions above. Apply splash coat while bond coat is tacky.

Ingredient	Proportion
Sand	2 Parts
Portland Cement	1 Part
1:1 Cemcrete / Water	Add until a slurry

Patching Render

Ingredient	Proportion
Sand	4 Parts
Portland Cement	1 Part
1:1.5 Cemcrete / Water	Add until a smooth paste

Curing Membrane

If water is lost from concrete and cement it will be weaker. Spray a 1:1 Cemcrete / Water mixture over wet concrete or render to slow water evaporation.

Coverage

Coverage depends upon roughness, porosity and type of surface.

The following coverages are offered as a guide:

Cemcrete	Water	Approx. Coverage
1 part	1 part	15 m ² / Litre
1 part	4 parts	35 m ² / Litre

Coverage on rough or porous surfaces will be lower.

Steel float finished concrete may require higher dilution to assist penetration.

Clean up

Clean uncured Cemcrete from equipment within 15 minutes (@ 20°C) with tap water. Remove dried Cemcrete by sanding or scraping.

Storage and shelf life

Store between 5°C and 30°C. Shelf life is 2 years in original unopened container.

Pack sizes and order numbers

Pack size	Order number
20 L Bottle	CMCRL20
5 L Bottle	CMCRL5

Health & safety

- Avoid contact with the skin and eyes.
- If swallowed, do not induce vomiting give a glass of water
- MSDS available from www.ramset.co.nz or call 0800 726 738.

Fire

Cemcrete is NOT flammable for transport and storage.