

TECHNICAL DATA SHEET

TRADESMAN

CEMCRETE™

BONDING AND SEALING ADDITIVE

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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

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.

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

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

CEMCRETE
BONDING & SEALING
ADDITIVE



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.

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 <i>Cemcrete</i> / Water	Add until a slurry

Patching Render

Ingredient	Proportion
Sand	4 Parts
Portland Cement	1 Part
1:1.5 <i>Cemcrete</i> / 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:

<i>Cemcrete</i>	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
- ◆ For more detailed information refer to the Material Safety Data Sheet

FIRE

Cemcrete is NOT flammable for transport and storage.

To obtain an MSDS contact Ramset™

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