



## PRODUCT DATA SHEET

# PRO-Mix TOUGH

PRO-Mix synthetic fibres that add reinforcement to concrete when extra toughness is required. Ideal for heavily loaded slabs and pathways to limit surface wear and provide enhanced crack control. No need for steel mesh – minimises cost and the risk of corrosion.

## Features & Benefits

- Reinforce any slab.
- Improved crack control.
- Bagged product helps when job site accessibility is an issue.
- Ideal for small jobs; convenient & easy to use; build with confidence.

### RATIO

1 x 20kg Extra Strength PRO-50 Concrete Mix

1 x 250g PRO-Mix TOUGH Additive

## Applications

This additive is a multi-purpose product that has a number of applications. Some of the more common uses are:

- Pathways
- Heavily loaded slabs

## Availability

Product available in 50g packets

## Coverage

About 100 x 20kg PRO-50 Concrete Mix bags are required per cubic metre.

## Directions for Use

1. Place entire contents of PRO-50 Concrete Mix bag into a wheelbarrow and sprinkle one pack of PRO-Mix TOUGH over the dry concrete mix. Create a hollow in the middle of the mix and add 2 litres of clean water and mix well. If needed, add additional water (up to about 0.5 litres per bag) to achieve a workable mix. Remember – too much water ruins good concrete.

OR If using a concrete mixer; add 2 litres of clean water to the mixing vessel. Empty one pack of PRO-Mix Tough per bag of PRO-50 Concrete Mix into the water then add a bag of PRO-50 Concrete Mix slowly into the water and mix thoroughly. If needed, add additional water (up to about 0.5 litres per bag) to achieve a workable mix. Remember – too much water ruins good concrete.

2. Place the well mixed concrete in the formwork or hole, filling all corners, and compact to remove voids. Level the concrete with a straight edge and finish the top surface with a wooden float or metal trowel. Broom finish if desired. Keep the concrete moist for 7 days to achieve maximum strength. Formwork may be removed after 24 hours. Do not walk on the concrete for at least 24 hours after placing.

**Note:** Curing will control moisture loss and therefore assist in achieving the best possible strength.

For more information call 1300 CEMENT (1300 236 368)  
or visit [www.cementaustralia.com.au](http://www.cementaustralia.com.au)

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## Limitations

- If considering using PRO-50 Concrete Mix with aluminium posts or poles, Cement Australia recommends you confirm the suitability of this with the aluminium manufacturer/supplier prior to use.
- Set times are affected by (extreme) temperatures. Avoid mixing and placing concrete at below 5°C or above 35°C.
- Too much water ruins good concrete.

## Storage, Handling & Safety

- Care should be taken when lifting the base bagged products as personal injury may occur. Refer to the PRO-50 Concrete Mix PDS.

## Further Hints & Tips

- Excess water will impact the ultimate strength performance.
- Air temperature will impact concrete setting behaviour and the timing of some of the steps outlined.

## Things You Might Need

- Trowel
- Stiff broom
- Bucket
- Steel float
- Shovel
- Mattock or Hoe
- Hose
- Spirit Level
- Access to clean water
- Plastic sheeting
- Wheelbarrow

**NOTE:** The PRO-Mix TOUGH Safety Data Sheet (SDS) is available at [www.cementaustralia.com.au](http://www.cementaustralia.com.au) or [www.mixitlikeapro.com.au](http://www.mixitlikeapro.com.au)

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#### RATIO

1 x 20kg Extra Strength PRO-50 Concrete Mix

+ 1 x 250g PRO-Mix FAST Additive

### Applications

This additive creates a multi-purpose product that has a number of applications. Some of the more common uses are:

- Fence posts
- Clotheslines
- Pergolas
- Letterboxes
- Installing uprights for shade sails & decks

### Availability

Product available in 250g packets

### Coverage

About 100 x 20kg PRO-50 Concrete Mix bags are required per cubic metre.

## PRODUCT DATA SHEET

# PRO-Mix FAST

PRO-Mix FAST additive that hardens concrete twice as fast giving twice the early age strength of normal concrete mix, meaning a job can be done in a day! Ideal for: fence posts, pergolas, shade sails, clotheslines, letterboxes, uprights and slabs.

### Features & Benefits

- Higher early age strengths.
- Fast setting, non- corrosive accelerator. Formwork may be removed and slab used/walked on after 8 hours.
- Bagged product helps when job site accessibility is an issue.
- Ideal for small jobs; convenient & easy to use; build with confidence.

### Directions for Use

1. Place entire contents of PRO-50 Concrete Mix bag into a wheelbarrow and sprinkle one pack of PRO-Mix FAST over the dry concrete mix. Create a hollow in the middle of the mix and add 2 litres of clean water and mix well. If needed, add additional water (up to about 0.5 litres per bag) to achieve a workable mix. Remember – too much water ruins good concrete.  
  
OR If using a concrete mixer; add 2 litres of clean water to the mixing vessel. Empty one pack of PRO-Mix Fast into the water and then add a bag of PRO-50 Concrete Mix slowly into the water and mix thoroughly. If needed, add additional water (up to about 0.5 litres per bag) to achieve a workable mix.
2. Place the well mixed concrete into the hole or formwork, filling all corners, and compact to remove voids. Level the concrete with a straight edge and finish the top surface with a wooden float or metal trowel. Use a broom or trowel to apply a final finish if desired. Keep the concrete moist for 7 days to achieve maximum strength. Formwork may be removed and slab walked on after 8 hours.

**Note:** Curing will control moisture loss and therefore assist in achieving the best possible strength.

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## Limitations

- If considering using PRO-50 Concrete Mix with aluminium posts or poles, Cement Australia recommends you confirm the suitability of this with the aluminium manufacturer/supplier prior to use.
- Set times are affected by (extreme) temperatures. Avoid mixing and placing concrete at below 5°C or above 35°C.
- Too much water ruins good concrete.

## Storage, Handling & Safety

- Care should be taken when lifting the base bagged products as personal injury may occur. Refer to the PRO-50 Concrete Mix PDS.

## Further Hints & Tips

- Excess water will impact the ultimate strength performance.
- Air temperature will impact concrete setting behaviour and the timing of some of the steps outlined.

## Things You Might Need

- Trowel
- Stiff Broom
- Bucket
- Steel float
- Mattock or Hoe
- Shovel
- Hose
- Spirit Level
- Access to clean water
- Wheelbarrow

**NOTE:** The PRO-Mix FAST Safety Data Sheet (SDS) is available at [www.cementaustralia.com.au](http://www.cementaustralia.com.au) or [www.mixitlikeapro.com.au](http://www.mixitlikeapro.com.au)

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#### RATIO

1 x 20kg Extra Strength PRO-50 Concrete Mix  
 + 1 x 250g PRO-Mix FINISH Additive

# PRODUCT DATA SHEET

## PRO-Mix FINISH

PRO-Mix FINISH additive is formulated to produce flowing concrete that provides improved workability. It is pourable and finds its own level (not suitable for sloping surfaces) with minimal finishing. Ideal for slabs and level pathways.

### Features & Benefits

- Effortless levelling.
- Extra concrete workability, reducing manual labour.
- Easy placing and finishing.
- Bagged product helps when job site accessibility is an issue.
- Ideal for small jobs; convenient & easy to use; build with confidence.

### Applications

This additive is a multi-purpose product that has a number of applications. Some of the more common uses are:

- Level pathways
- Slabs

### Availability

Product available in 250g packets

### Coverage

About 100 x 20kg PRO-50 Concrete Mix bags are required per cubic metre.

### Directions for Use

1. Place entire contents of PRO-50 Concrete Mix bag into a wheelbarrow and sprinkle one pack of PRO-Mix FINISH over the dry concrete mix. Create a hollow in the middle of the mix and add 2 litres of clean water and mix well. If needed, add additional small increments of water (up to about 0.25 litres total per bag) to achieve a flowable mix. You have added enough water when the aggregate slowly sinks from the surface when you stop mixing. Remember – too much water ruins good concrete.

OR If using a concrete mixer; add 2 litres of clean water to the mixing vessel. Empty one pack of PRO-Mix Finish per bag of PRO-50 Concrete Mix into the water then add a bag of PRO-50 Concrete Mix slowly into the water and mix thoroughly. If needed, add additional small increments of water (up to about 0.25 litres total per bag) to achieve a flowable mix. You have added enough water when the aggregate slowly sinks from the surface when you stop mixing.

2. Pour the well mixed concrete in the formwork or hole. The concrete should flow to all areas in the formwork and find its own level. If required, gently screed to level the concrete to the height of the formwork. After the concrete has slightly stiffened (10-15 Minutes) use a float or trowel to remove any air bubbles and create a smooth even surface. Use a broom or trowel to apply a final finish if desired. Keep the concrete moist for 7 days to achieve maximum strength. Formwork may be removed and slab walked on after 24 hours.

**Note:** Curing will control moisture loss and therefore assist in achieving the best possible strength.

For more information call 1300 CEMENT (1300 236 368) or visit [www.cementaustralia.com.au](http://www.cementaustralia.com.au)

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## Limitations

- If considering using PRO-50 Concrete Mix with aluminium posts or poles, Cement Australia recommends you confirm the suitability of this with the aluminium manufacturer/supplier prior to use.
- Set times are affected by (extreme) temperatures. Avoid mixing and placing concrete at below 5°C or above 35°C.
- Too much water ruins good concrete.

## Storage, Handling & Safety

- Care should be taken when lifting the base bagged products as personal injury may occur. Refer to the PRO-50 Concrete Mix PDS.

## Further Hints & Tips

- Excess water will impact the ultimate strength performance.
- Air temperature will impact concrete setting behaviour and the timing of some of the steps outlined.

## Things You Might Need

- Trowel
- Stiff Broom
- Bucket
- Steel float
- Mattock or Hoe
- Hose
- Shovel
- Access to clean water
- Plastic sheeting
- Wheelbarrow

**NOTE:** The PRO-Mix FINISH Safety Data Sheet (SDS) is available at [www.cementaustralia.com.au](http://www.cementaustralia.com.au) or [www.mixitlikeapro.com.au](http://www.mixitlikeapro.com.au)

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#### RATIO

1 x 20kg Sand & Cement

+ 1 x 250g PRO-Mix RENDER Additive

## PRODUCT DATA SHEET

# PRO-Mix RENDER

A quality additive that turns 'Sand & Cement' into a multi-surface render. It creates a no fuss mix that goes on easily and trowels to a fine finish. Ideal for rendering blueboard, AAC blocks & panels, brick/block/masonry walls, structures & fences.

## Features & Benefits

- Multi-surface render.
- Able to be hand mixed.
- Add colour if desired.
- Ideal for small jobs; convenient & easy to use; build with confidence.

## Applications

This additive creates a multi-purpose render that has a number of applications. Some of the more common surfaces for rendering are:

- Walls
- Fences
- Letter boxes

## Availability

Product available in 250g packets

## Coverage

One 20kg bag of Sand & Cement +PRO-Mix RENDER will cover approximately 2.5m<sup>2</sup> at 5mm thickness.

## Directions for Use

1. Prepare surface by removing any loose materials with a brush. For better results, wet the surface just prior to the application of render.
2. Add one bag of Sand and Cement to a wheelbarrow or bucket and add one pack of PRO-Mix RENDER additive and mix the dry materials thoroughly until no trace of the additive remains. Create a hollow and add 3 litres of water per bag and mix well. If needed, add additional water (up to about about 1 litre per bag) to achieve a workable mix. Remember – too much water ruins good render.
3. Mix thoroughly to a creamy, lump-free consistency. Let the mix stand for 5 minutes before applying.
4. Apply the render with a steel trowel in an upward motion from left to right (or opposite for left-handed application), ensuring the render is applied in a consistent thickness. Allow render to become firm and finish off with a wooden trowel or polystyrene float. Cure by keeping the render damp for 24 hours with a fine water spray or by covering the surface with plastic or damp hessian.

**Note:** Curing will control moisture loss and therefore assist in achieving the best possible strength.

**PAINTING RENDER** The surface can be painted after curing - allowing 28 days for oil-base paints and depending on ambient temperatures about 3 – 7 days for water-based paints.

**OXIDE ADDITION** If you wish to colour your render follow the instructions on the back of packs of Cement Australia oxide products.

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## Limitations

- Render should not be applied in full sun.
- Set times are affected by (extreme) temperatures. Avoid mixing and placing render at below 5°C or above 35°C.
- Too much water ruins good render.

## Storage, Handling & Safety

- Care should be taken when lifting the base bagged products as personal injury may occur. Refer to the 'Sand & Cement' PDS.
- If the surface requires 'dubbing out' (for example over mortar joints), this should be completed prior to the application of the render. If the mortar joints in brick or block walls are not dubbed out the mortar lines may be visible in the rendered surface.
- It is recommended to accurately measure the amount of water added to the render mix as excess water will impact on the ultimate strength of the product and may cause higher shrinkage.

## Further Hints & Tips

- Excess water will impact the ultimate strength performance.
- Air temperature will impact render setting behaviour and the timing of some of the steps outlined.
- Only mix the amount of render that can be applied in 30 minutes.

## Things You Might Need

- Steel brush
- Wet cloth
- Bucket
- Steel Trowel
- Shovel
- Hose
- Spirit Level
- Access to clean water
- Wheelbarrow

**NOTE:** The PRO-Mix RENDER Safety Data Sheet (SDS) is available at [www.cementaustralia.com.au](http://www.cementaustralia.com.au) or [www.mixitlikeapro.com.au](http://www.mixitlikeapro.com.au)

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#### RATIO

1 x 20kg Sand & Cement



1 x 250g PRO-Mix MORTAR Additive

## PRODUCT DATA SHEET

# PRO-Mix MORTAR

A quality additive that turns 'Sand & Cement' into a strong multi-surface mortar that retains moisture for improved workability. This extremely versatile mix is ideal for the laying of brick/block/masonry walls, structures & fences, re-pointing, paving, decorative borders and general mortar repairs.

## Features & Benefits

- Multi-purpose Mortar.
- Workable and strong.
- Easy to use – 'Just add water'.
- Add colour if desired.
- Ideal for small jobs; convenient & easy to use; build with confidence.

## Applications

This additive is a multi-purpose product that has a number of applications. Some of the more common uses are:

- Brick & block laying
- Stonework
- Paving
- General mortar repairs

## Availability

Product available in 250g packets

## Coverage

1x20kg bag of Sand & Cement + PRO-Mix Mortar will yield approximately 11 litres of mortar.

1x20kg bag is sufficient for about 20 house bricks or 10 masonry blocks with a 10mm mortar joint.

## Directions for Use

1. Place one bag of Sand and Cement into a wheelbarrow or bucket and add one pack of PRO-Mix MORTAR additive to the dry Sand & Cement mix. Create a hollow and add 3 litres of water per bag and mix well. If needed, add additional water (up to about 1 litre per bag) to achieve a workable mix. Remember – too much water ruins good mortar.
2. Apply the mix with a trowel. Allow the mortar to stiffen to touch dry before attempting to rake or finish the mortar joints.

**REMEMBER** Only mix as much mortar as you can use within one (1) hour.

**EXCESSIVE WATER** weakens the mortar; only use enough to make the mix workable.

**RE-TEMPERING** the mix with additional water will weaken the mortar. Do not allow the mixed mortar to stand for an extended period of time.

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## Limitations

- Render should not be applied in full sun.
- Set times are affected by (extreme) temperatures. Avoid mixing and placing Mortar at below 5°C or above 35°C.
- Too much water ruins good Mortar.

## Storage, Handling & Safety

- Care should be taken when lifting the base bagged products as personal injury may occur. Refer to the 'Sand & Cement' PDS.
- It is recommended to accurately measure the amount of water added to the Sand & Cement +PRO-Mix Mortar as excess water will impact on the ultimate strength of the product.

## Further Hints & Tips

- Excess water will impact the ultimate strength performance.
- Air temperature will impact Mortar setting behaviour and the timing of some of the steps outlined.
- Only mix the amount of mortar that can be applied within one (1) hour.

## Things You Might Need

- Trowel
- Steel brush
- Pointing tool
- Bucket
- Bricks / Blocks
- Shovel
- Hose
- Spirit Level
- Access to clean water
- Wheelbarrow
- Stringlines
- Mattock or Hoe

**NOTE:** The PRO-Mix RENDER Safety Data Sheet (SDS) is available at [www.cementaustralia.com.au](http://www.cementaustralia.com.au) or [www.mixitlikeapro.com.au](http://www.mixitlikeapro.com.au)

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