Enjoy the rewards of improving your home the Easy Mix way.

Convenience in a bag!

- CEMENT
- CONCRETE
- MORTAR
- POST MIX
- RAPID SET CONCRETE
- QUICK SET MORTAR
- MULTI-PURPOSE SAND
- RENDER
- TILE ADHESIVE
- EASY GROUT GP

Pre-blended quality cement based products
**POST MIX**

For simple non-structural concreting where surface finish is not important.

**Recommended for:**

- fence posts, clotheslines, garden lights, letterbox posts, swings, etc.
- Use wet or dry.

Note:- Easy Mix Post Mix is not suitable for slabs or jobs that require a smooth surface finish.

**Coverage**

- 1 x 20kg Bag = 0.01m³
- 99 x 20kg Bags = 1m³
- 1 x 30kg Bag = 0.0151m³
- 66 x 30kg Bags = 1m³

**Compressive Strength**

- 7 days: 8-10MPa
- 28 Days: 12-18MPa

**SIMPLY ADD WATER**

**PERFORMANCE GUARANTEED BY EASY MIX**
Before you start
To calculate the size of hole you will need, here’s a simple rule-of-thumb.

Width = 2 x the width or diameter of the post.
For example, a 100mm x 100mm (4” x 4”) post would require a 200mm x 200mm (8” x 8”) hole.

Depth = 1/3 of the length of the pole. A 2m (6’) post will have up to 600mm (2’) in the ground.

What you will need

Tools
✓ Spade or long handled shovel and a crow bar or post hole auger
✓ Spirit level or plumb line
✓ String line
✓ Tape measure

Materials
✓ ... Bags of Easy Mix Post Mix
✓ Water

Preparing the Holes

• Set out the line for your posts with the string line.

• Space out post positions along string line using the tape measure.

• Dig post hole using the ‘rule-of-thumb’ outlined.

• Place posts in holes aligning them with the string line at set out marks, checking heights and levels. Ensure the end of the posts to be placed into the ground are treated against woodrot.

• Brace each post in position.

Installation of Post Mix

Dry Method

1. Pour 1/2 bag of Easy Mix Post Mix into the hole and tamp in tight around post.

2. Repeat for each post, aligning with string line and checking levels.

3. Pour in the remainder of the Post Mix when all posts have been set to the correct spacing and height.

4. Pour a small quantity (approximately 1.5lt for a 20kg bag, 2.1lt for a 30kg bag and 3lt for a 40kg bag) of water on the Post Mix around each post. Together with natural ground moisture, this will be enough to allow the mix to set.

Wet Method

1. Brace posts so they remain in the desired position

2. On a mixing board or in a wheelbarrow, add water slowly (approximately 1.5lt for a 20kg bag, 2.1lt for a 30kg bag and 3lt for a 40kg bag) to the contents of the bag - the drier the mix the better.

3. Tamp the mix with a shovel or spade and finish at the desired height.

4. Repeat for each post and clean up.

NOTE: Curing Time

Although the concrete sets hard within a few hours, it should be kept moist and not subjected to any stress during the first week. The concrete will take up to 28 days to fully ‘cure’.
CONCRETE

Provides a smooth finish

**Recommended for:**
small slabs, paths, footings and garden edging.

**Also suitable for:**
letter boxes, fence posts, light posts and clothes lines.

*Also available in 10 kg handy bags

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**COMPRESSION STRENGTH**

3 days 7.5MPa
7 days 15MPa
28 Days 25MPa

**COVERAGE**

1 x 20kg bag = 0.01m³
99 x 20kg bags = 1m³
1 x 30kg bag = 0.0151m³
66 x 30kg bags = 1m³

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<th>No. of 20kg Bags required for slab 75mm thick</th>
<th>Length mm</th>
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*Also available in 10 kg handy bags*
**LAYING A CONCRETE PATH**

**Before you start**
Mark out the size of the slab you require and multiply length (in metres) by width (in metres) by the desired thickness (in millimetres). From this volume you can calculate the number of EASY MIX bags you will need. Volume of slab in cubic metres x 66 = bags required (based on 30kg bags).

**What you will need**

**Tools**
- Shovel and rake
- Spirit level
- String line
- Tape measure
- Timber for boxing and screed
- Hammer/saw/nails
- Screedboard, trowel/float/edging tool

**Materials**
- ... bags EASY MIX pre-blended concrete
- Water

**STEPS FOR CONCRETING A SLAB**

1. **Prepare the site**
   Dig the site for the slab to the required depth. Most slabs are a minimum of 75mm (3”). Allow space around actual slab dimensions for the timber formwork placement. Use Easy Mix Multi-Purpose Sand as a bedding sand under the formwork if required.

2. **Set the formwork**
   Use lengths of timber to box the slab. The top of the boxing will act as the level of the top of the slab. Welded reinforcing mesh may also be added for extra strength. Ensure you allow for water run-off.

3. **Prepare the pour**
   Just before pouring concrete, thoroughly moisten the slab base area. This slows down moisture loss during curing and makes the slab stronger.

4. **Mix pre-blended concrete**
   On a flat wooden or metal surface, or in a large wheelbarrow, mix Easy Mix Concrete with water, one or two bags at a time. Each 30kg bag requires about 3.5 litres of water (2 to 2.5 litres of water is required for a 20kg bag). Add water slowly, mix thoroughly and do not wash out the cement powder. Shovel or pour the concrete into the formwork, then spread and tamp down with a shovel.

5. **Install the slab**
   Using a straight-edge board across the top of the formwork, ‘screed’ the concrete to the desired level. Work the screedboard across the slab from one end to the other in a sawing motion to bring the slab to its finished level. Fill any holes and screed again.
   Remove excess concrete if necessary. Leave the slab to set for 30 to 45 minutes (depending on weather conditions) before proceeding to Step 6.

6. **Finish the slab**
   For a non-slip finish (or if tiling over) use a wooden float in a circular motion across the slab. For a smooth finish a steel float should be used. Edges should be finished with an edging tool for best results.

7. **Curing the slab**
   To help the slab cure to full strength, cover with hessian cloth and keep moist for several days.
When time is an issue *Easy Mix Rapid Set Concrete* is the easy, quick solution.

**Recommended for:**
pergola posts, clotheslines, garden lights, letterbox poles, swings, etc.

*(Not suitable for slabs or jobs that require a smooth surface finish)*

**Coverage**

| 1 x 20kg Bag | 0.01m³ |
| 99 x 20kg Bags | 1m³ |
| 1 x 30kg Bag | 0.0151m³ |
| 66 x 30kg Bags | 1m³ |

**Compressive Strength**

<table>
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<th>Time</th>
<th>Strength</th>
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<td>8 hours</td>
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<td>28 Days</td>
<td>20-25MPa</td>
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**PREPARING AND SETTING A POST**

**Before you start**

To calculate the size of hole you will need, here’s a simple rule-of-thumb.

Width = 2 x the width or diameter of the post. For example, a 100mm x 100mm (4” x 4”) post would require a 200mm x 200mm (8” x 8”) hole.

Depth = 1/3 of the length of the pole. A 2m (6’) post will have up to 600mm (2’) in the ground.

**What you will need**

**Tools**

- Spade or long handled shovel and a crow bar or post hole auger
- Spirit level or plumb line
- String line
- Tape measure

**Materials**

- ... bags Easy Mix Rapid Set Concrete
- Water

**USING RAPID SET CONCRETE TO SET A POST**

**PLEASE NOTE: SET TIME:** Do not mix in concrete mixer or wheelbarrow. Always add Easy Mix Rapid Set Concrete to water.

1. Prepare the post holes and brace each post into position, as outlined under “Preparing the Holes” on page 3 of this booklet.

2. Thoroughly wet the hole so that the hole does not soak up the water required for the Easy Mix Rapid Set Concrete mix.

3. Pour the required amount of water into the hole. One 30kg bag of Rapid Set Concrete requires approximately 3.6 litres of water. (For each 10kg of Rapid Set Concrete add 1.2 litres of water).

4. Immediately add the required amount of Easy Mix Rapid Set Concrete to the water in the hole, around the post. DO NOT MIX!

5. Although Easy Mix Rapid Set Concrete is touch dry in 15 minutes, working strength will take approximately 2 hours, in which time no stress should be applied to the posts.

Due to the fast setting time of Rapid Set Concrete we recommend NOT mixing the product in a wheelbarrow.

However, if this method is chosen it is essential to use the same water measurements as above, and only mix what can be installed within 10 minutes of mixing.
MORTAR

Recommended for:
all brick, block and stone laying needs.

Also suitable for:
paving, retaining walls, garden beds, barbecues, letterboxes and fixing toilet pans and associated pipings.

*Also available in 8kg handy bags

**COMPRRESSIVE STRENGTH**

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<thead>
<tr>
<th>Time</th>
<th>Minimum</th>
<th>Maximum</th>
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</tr>
<tr>
<td>28 days</td>
<td>10-15MPa</td>
<td>10-15MPa</td>
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</table>

**COVERAGE**

**Bricks**

1 x 20kg bag lays up to 26 Clay Bricks
1 x 30kg bag lays up to 40 Clay Bricks.
(52 Clay Bricks = 1m²)

**Blocks**

1 x 20kg bag lays up to 15 Standard Blocks.
1 x 30kg bag lays up to 23 Standard Blocks.
(12.5 Standard Blocks = 1 m²)

For easier and faster mixing and placing of your mortar, try Easy Mix Mortar Magic. See page 11 for details.
BUILDING A BRICK OR BLOCK WALL

Before you start

1. Measure the size of the wall you intend to build. Calculate the number of bricks or blocks you will need for the job.
2. Check site levels to accommodate changes in the slope of the land.
3. Retaining walls: if there is any risk the soil or water pressure could push over the wall, additional reinforcement may be necessary. Seek advice if necessary.

What you will need

Tools
✓ Shovel and rake
✓ Spirit level
✓ String line
✓ Tape measure
✓ Timber for boxing the footing
✓ Hammer/saw/nails
✓ Brickie’s trowel
✓ Joint raking tool

Materials
✓ ... bags Easy Mix pre-blend Concrete (for footings)
✓ ... bags Easy Mix pre-blend Mortar (for the wall)
✓ ... full bricks/blocks
✓ ... 1/2 bricks/blocks
✓ ... capping bricks/blocks (if required)
✓ Reinforcing bar/ties (if required)
✓ Water

STEPS FOR BUILDING A BRICK OR BLOCK WALL

1. Build the footing
Plan the position of the wall. The footing trench (a strip of concrete) should be wider than the base of the wall by several centimetres. Prepare and pour the footing as outlined on page 5 of this brochure.

2. Prepare to lay
Once the footing is hardened, drive a stake (as tall as the wall) beyond each end of the wall and in line with the face of your wall (approx. 24 hours after pour). Stretch a line between the two stakes level with the top front edge of the first course and repeat for each other course as they are completed.

TIP: Trial the first course bricks/blocks on the footing without mortar to check and adjust the wall ‘fit’ between markers – allow 10mm for each joint.

3. Mixing mortar
Pour the required amount of Easy Mix Mortar into a barrow or clean mixing surface (1/2 a bag at a time is recommended). See back of bag for mixing instructions.
Add water, gradually mixing as you go until a stiff even consistency is reached (excess water can ruin good mortar).
Note: For easier and faster mixing and placing of your mortar, try Easy Mix Mortar Magic. See page 11 for details.

4. Laying bricks/blocks
Spread a 25mm (1”) thick coating of mortar on the footing along to the length of 3-4 bricks/blocks. Position an end or corner block first, and tap into place with the trowel handle. Spread mortar on the end of the next brick/block and position. Leave a 10mm (5/8”) joint.

Leave mortar out of a number of vertical joints in the first course to allow drainage from behind the wall. Check as you go with a spirit level for horizontal and vertical trueness. Adjust if necessary by tapping with trowel, and scrape off excess mortar with an upward sweep of the edge of the trowel.

Repeat until all rows are finished. After laying 3-4 courses, or as mortar begins to set, use a joint raking tool to rake joints and compress the mortar.

5. Curing
Note: While the wall may seem firm to touch within hours, it will not reach full strength for up to 28 days. The wall should be kept damp for seven days (or 14 days for retaining walls that are not back filled) to help hardening.
**QUICK SET MORTAR**

**Recommended for:**
Quick installation of brick and masonry walls, minor repairs to concrete in domestic areas as well as plumbing and electrical installations.

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**Coverage**
Each 20kg bag produces approximately 11 litres of workable mortar.

**Bricks**
1 x 20kg bag lays up to 26 Clay Bricks
(52 Clay Bricks = 1 m²)

**Blocks**
1 x 20kg bag lays up to 15 Standard Blocks.
(12.5 Standard Blocks = 1 m²)

**Compressive Strength**
- 7 days: 8-10MPa
- 28 days: 15-20MPa
MORTAR MAGIC

Mortar Magic is a simple to use, non-staining liquid which improves the workability of cement mortar and plaster.

*Makes 20 litres when diluted with water.*

ADVANTAGES:

- Enables quicker application.
- Improves workability of mortar.
- Reduces cracks.
- Eliminates need for lime.
- Reduces water absorption.
- Suitable for all coloured and white mortars.
- Contains special additives for extended open time in hot weather conditions.

DOSAGE RATE

Add diluted mixture to a mortar mix at approximately 20-40ml per 40kg of cement.
GP CEMENT

Recommended for:
Concrete mortar, render, plaster, foundations and any other project requiring a high strength general purpose cement.

*Available in 8kg, 20kg and 40kg bags.

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</table>

MEETS AUSTRALIAN STANDARD AS3972
MULTIPURPOSE SAND

Ideal for small landscaping jobs around the home including:-
Playgrounds and sandpits, filling paver gaps, plastering, potting mixtures, concrete or mortar mixtures.

COVERAGE FOR PAVERS

1 x 20kg will cover approximately 3.5m²
EASY TILE

Easy Tile is a multi-purpose, high strength, cement based adhesive for wall and floor ceramic tiles. Suitable for internal and external use.

Recommended Surfaces

As an internal or external wall or floor adhesive over:-

• Concrete
• Cement render
• Fibrous cement sheeting and plasterboard
• Existing, sufficiently prepared ceramic tiles.

Note: Easy Mix Easy Tile is not suitable for underwater applications.

COVERAGE

1 x 20kg bag = 5-6m²
Before you start

Surface Preparation

1. All surfaces to be tiled must be structurally sound and free from dirt, grease, oil, previous coatings and other surface contaminants.
2. Steel trowel finished concrete must be acid etched or mechanically roughened prior to tiling.
3. If applying Easy Tile over new concrete, allow at least six weeks for the concrete to fully cure.
4. Building boards, fibrous cement sheeting and porous surfaces must be primed (with a suitable primer) before application.

Mixing

Mixing Ratio = 20kg Easy Tile to approximately 4.2-4.6 litres of clean water.

1. Add one bag of Easy Tile to 4.2-4.6 litres of clean water in a bucket and mix continuously until a thick, blended paste is formed. **ALWAYS ADD WATER INTO THE BUCKET FIRST FOLLOWED BY THE POWDER - NOT VICE VERSA.**
2. Allow the mixture to stand for 10 minutes, then remix just prior to application.

Application

1. Spread the adhesive evenly onto the substrate using a 6mm x 6mm notched trowel for wall tiles or a 10mm - 12mm notched trowel for floor applications.
2. Tiles with grooves or an uneven back must initially be coated with the adhesive, in addition to the adhesive being trowelled onto the wall or floor.
3. A minimum final bed thickness of 2mm is recommended for walls, and 3mm for floors.
4. Only spread approximately 1m² of Easy Tile at a time and lay tiles while the adhesive is still wet on the surface.
5. Press tiles firmly into the adhesive, ensuring no gaps occur beneath each tile.
6. Do not disturb or walk over the tiles for at least 12-24 hours (based on drying conditions at 20°C).

Clean Up

Remove any excess adhesive from the face of the tiles with a damp cloth, while the adhesive is still wet. Then clean all tools and equipment with water before the glue dries.

Grouting

Allow 24 hours drying time before grouting the tiles.

What you will need

Tools

- Notched trowel (use a 6mm x 6mm notched trowel for wall applications and a 10-12mm notched trowel for floor applications)
- Spirit level
- Tile cutter
- Carpenters square
- Tape measure
- Tile spacers
- Flexible sealant such as silicone for movement joints.

Materials

- .... bags of Easy Tile
- Tiles
- Water
- Grout (plus a grout float and sponge for grouting).

TILING A WALL OR FLOOR AREA

Movement Joints

Due to natural expansion and contraction, it is important to provide movement joints within the tiled surface. Plan and incorporate the movement joints in the design and setting out stage of laying the tiles and ensure they are placed:-

- over existing movement joints
- At the point where different background materials join
- at intervals of 4.5 metres
- where tiling adjoins walls, columns or fixtures such as cabinets.

Each movement joint should be approximately 6mm wide and extend from the sub-floor through to the tiling bed and face of the tile. Joints should then be filled with a flexible sealant such as silicone.
EASY GROUT GP

A high strength cement based grout for patching and filling holes and cracks.

**Recommended for:**
filling, packing, base plate supports, and anchoring any area where it is necessary to eliminate shrinkage.

**Also suitable for:**
patching holes and cracks in concrete slabs (see supplier for details).
**PREPARING TO USE EASY MIX GROUT**

**Before you start**
The foundations or void to be filled should be thoroughly cleaned and the surface should be ‘well-roughened’ to ensure bonding.

**What you will need**

**Tools**
- ✓ Paddle mixer or heavy duty drill
- ✓ Bucket or barrow to mix grout in

**Materials**
- ✓ ... bags Easy Mix Easy Grout GP
- ✓ Water

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**MIXING AND PLACING EASY MIX GROUT**

1. Once the surface has been sufficiently roughened, thoroughly saturate the area with water at least 12 to 24 hours prior to application.

2. Mix the grout and water with a paddle mixer or an electric drill (for larger quantities), as per the table below, for at least 5 minutes. Ensure there are no lumps.

3. Place the grout within **20 minutes** of mixing

4. Place the grout from one side of the grout box only (to avoid air entrapment).

5. On completion, areas that are exposed should be thoroughly cured using a curing compound or continuous water.

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**WATER CONTENT GUIDELINES FOR GROUT MIXED AT 20°C**

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<th>Litres of water per 20 kg bag</th>
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<td>Plastic</td>
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<td>Flowable</td>
<td>3.3-3.5 litres</td>
<td>20 MPa</td>
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</table>
**EASY RENDER**

A cement based render for brickwork, blockwork and concrete fences and surfaces.

**Recommended for:**
BBQ’s, block walls, retaining walls, letterboxes, fences and feature walls.

**Formulated with special additives to improve workability and adhesion.**

**Note:** Please refer to the Easy Render Application Guide for further information on applying the product.

**COVERAGE**

Each 20kg bag of Easy Render will cover a surface area of approximately 4-6m², depending on the texture and variations of the surface.
THE CONVENIENT SMALL PACK RANGE

Some of our Easy Mix products are also available in conveniently sized carry packs for those small jobs or for patching existing structures and ground coverings.

You’ll find them extremely useful for many jobs in and around the house!

For all small concrete & mortar requirements.

For repairs or small jobs that require strength and a good surface finish.

- Concrete surfaces
- Pipes
- Tiles

(not suitable for structural uses).

For all your brick, block and stone repairs.

Also suitable for:
- Paving repairs
- Retaining walls
- Garden bed edging
- BBQs
- Letterboxes
This booklet has been prepared as a guide to assist with projects using the EASY MIX range of products. In different areas, councils or other authorities may have specific building regulations that could necessitate changes to some of the instructions contained herein. Levels of individual work skills will vary from person to person, so results from following the guidelines in this booklet may vary too.

Information contained herein is no replacement for professional advice, and so no responsibility can be accepted by River Sands Pty. Ltd. for any substandard result, loss or damage caused by total reliance on the information contained in this booklet.

Manufactured by:

RIVER SANDS PTY LTD

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Manufactured under a quality system certified as complying with ISO9001 by an accredited certification body.