

# Safety and Ordering

## SAFETY

Avoid direct skin contact with both wet and dry cements. Avoid breathing cement dust by wearing a P1 or P2 dust mask suitable for airborne dust. Wear appropriate protective clothing and footwear.

Additional information in the form of material safety data sheets is available on request. Phone 1300-138-996.



## FIRST AID

In the event of skin contact, wash with clean water to minimise possible irritation. If material gets into eyes wash immediately and repeatedly with eye wash solution or clean water.

## NEED TECHNICAL HELP?

For more information contact Technical Support on our **help-line 1300-138-996**.

## SALES AND ORDERING:

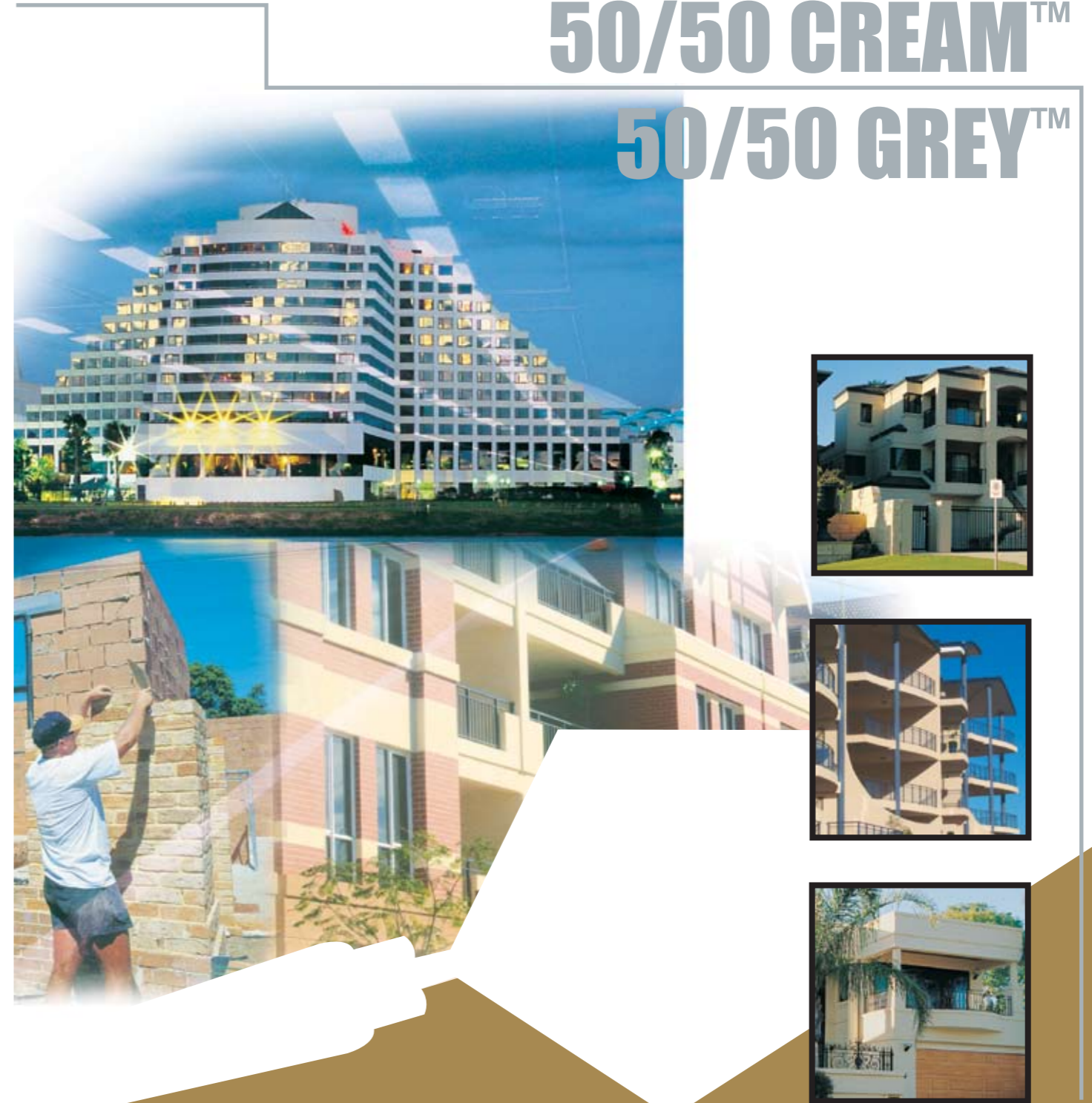
Customer Service Centre:  
**(08) 9411 1166**

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50/50 Grey and 50/50 Cream are available in:

Bulk Tanker	Bulker Bags	20kg Bags



50/50 GREY & 50/50 CREAM

# 50/50 CREAM™

# 50/50 GREY™

## PRODUCT INFORMATION

# Swan Cement®

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Kwinana WA 6167  
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Orders Fax: 1300 138 995  
Tel: (08) 9411 1000



# PRODUCT INFORMATION AND PROPERTIES

For the fastest, cleanest and most efficient mortar, Swan Cement takes the pain out of brickwork with its *50/50 Grey* and *50/50 Cream* blended cement products.

Its revolutionary range of brickies products allows builders, tradespeople or the home handyman to buy quality grey or cream cement pre-blended with *Marvelime*. The 1 bag mix design for 3.5 cubic foot mixer complies with Australian Standards for M3 mortar classification.

The *50/50 Grey* and *50/50 Cream* blended cement products provide the user with a standard 1:1:6 mix design when mixed correctly with 1 part blended product and 3 parts sand.

For either a rich cream mortar or for a standard grey mix, Swan Cement takes the guesswork out of the mortar.

So if you need quality mortar, mix your mortar with the best. Just ask your local hardware store for *Swan Cement 50/50 Grey* or *50/50 Cream* cement blends.

## Mortar Guide

Mix	Masonry Exposure Environment	
M3	Walls between 1km and 10km of a surf coastline or between 100m and 1km of a non-surf coastline eg., estuary and coastal river zones.	
M2	Walls in contact with fresh water or the ground in non-aggressive soils. Internal walls subject to wetting and drying of a non-saline character. External above ground walls greater than 10km of a surf coastline or greater than 1km of a non-surf coastline eg., estuary and coastal river zones. Interior walls not subject to wetting and drying.	
Mix Design - Parts by Volume		
Mix	<i>50/50 Grey</i> or <i>50/50 Cream</i>	Brickies Sand
M3	1	3
M2	1	3
Estimated Quantities To Place 1000 Standard Bricks (230L x 110W x 76H)		
Mix	<i>50/50 Grey</i> or <i>50/50 Cream</i> (20kg Bags)	Brickies Sand (m <sup>3</sup> estimate)
M3	9	0.6
M2	9	0.6

## Render Guide

Use	Substrate	Mix Ratios By Volume		<i>50/50 Grey</i> or <i>50/50 Cream</i> Cement 20 kg Bags *
		<i>50/50 Grey</i> or <i>50/50 Cream</i>	Plasterers Sand	
Internal Sand Finish	Clay Bricks	1	3.5	14
Sand finish base coat				
Sand finish top coat	Clay Bricks	1	3.0	16
External Sand Finish				
Sand finish base coat				
Sand finish top coat				

\* per 1000 bricks

## Render Notes:

Approximately 1.2m<sup>3</sup> of damp plasterer's sand is required for 1m<sup>3</sup> of render.  
Estimate based on 1m<sup>3</sup> of render covering 100m<sup>2</sup> at 10mm thickness.

## General Notes:

- Use only recommended brickies sand free from organic contamination.
- Use a standard sized vessel eg., a bucket, to measure all materials.
- Any admixtures used should only be bedded according to the manufacturers instructions.
- *Marvelime* contains an air-entraining agent, therefore additional air entrainer is not required.
- Quantities are typical industry usage and will vary according to brick type and individual waste patterns.
- Please refer to AS3700 "Masonry Structures" for more detailed information.

## General Notes:

- Use only recommended mortar and plastering sands free from clay and organic contamination.
- Keep water content to the minimum required for mixing and placing. The more water, the lower the strength.
- Use a standard sized vessel eg., bucket to measure all materials.
- Admixtures should only be used according to the manufacturer's instructions.
- Quantities estimated are typical industry usage and will vary according to the individual use patterns.
- For additional DIY information please refer to [www.swancement.com.au](http://www.swancement.com.au)



## 50/50 Grey & 50/50 Cream Cement

Premix	Site Mix	Brickwork	Moulded Products	Renders

## Physical Properties

Parameter	<i>50/50 Grey</i> Typical	<i>50/50 Cream</i> Typical	AS1316-2003 Limits	Test Method
Water Retentivity	80%	79%	70% Min	AS1316
Air Content	21%	19%	10% Min	AS1316
Initial Set Time	1:30 hour:min	1:45 hour:min	75 mins (min)	AS1316
Final Set Time	2:30 hour:min	3:00 hour:min	12 hours (max)	AS1316
Soundness	0.05%	0.08%	1.00% Max	AS1316
Compressive Strength (1)	<i>50/50 Grey</i> Typical	<i>50/50 Cream</i> Typical	AS1316-2003 Limits	Test Method
7 day	28 MPa	30 MPa	3.5 MPa Min	AS1316
28 day	31 MPa	31 MPa	6.0 MPa Min	AS1316
Flexural Strength by Bond Wrench (2)	<i>50/50 Grey</i> Typical	<i>50/50 Cream</i> Typical	AS 3700 Requirements	Test Method
M3 - 1:3 mix 7 days	0.4 MPa	0.5 MPa	0.2 MPa	AS3700

- (1) Ottawa Sand used for AS1316 tests.
- (2) Test mortars for flexural strength determination were batched in a 3 cubic foot mixer with commercially available brickies sand to give an initial flow of 125% to 150% and air content 10% to 15%. Bricks were 10 core Midland Brick Cream. Tested to AS4455 initial rate of absorption 0.8 - 2.5 kg/m<sup>2</sup>/min and characteristic compressive strength of 15MPa.

