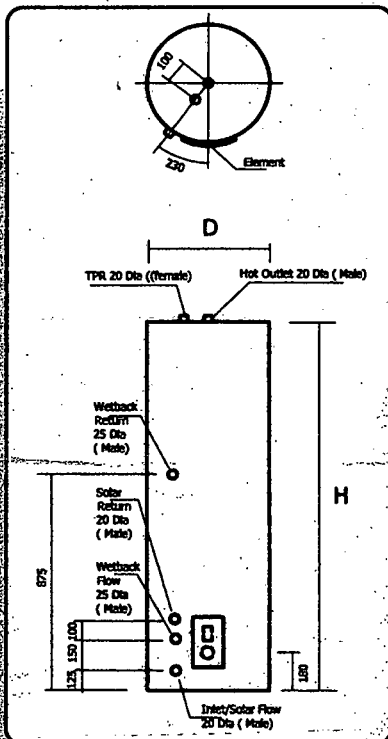
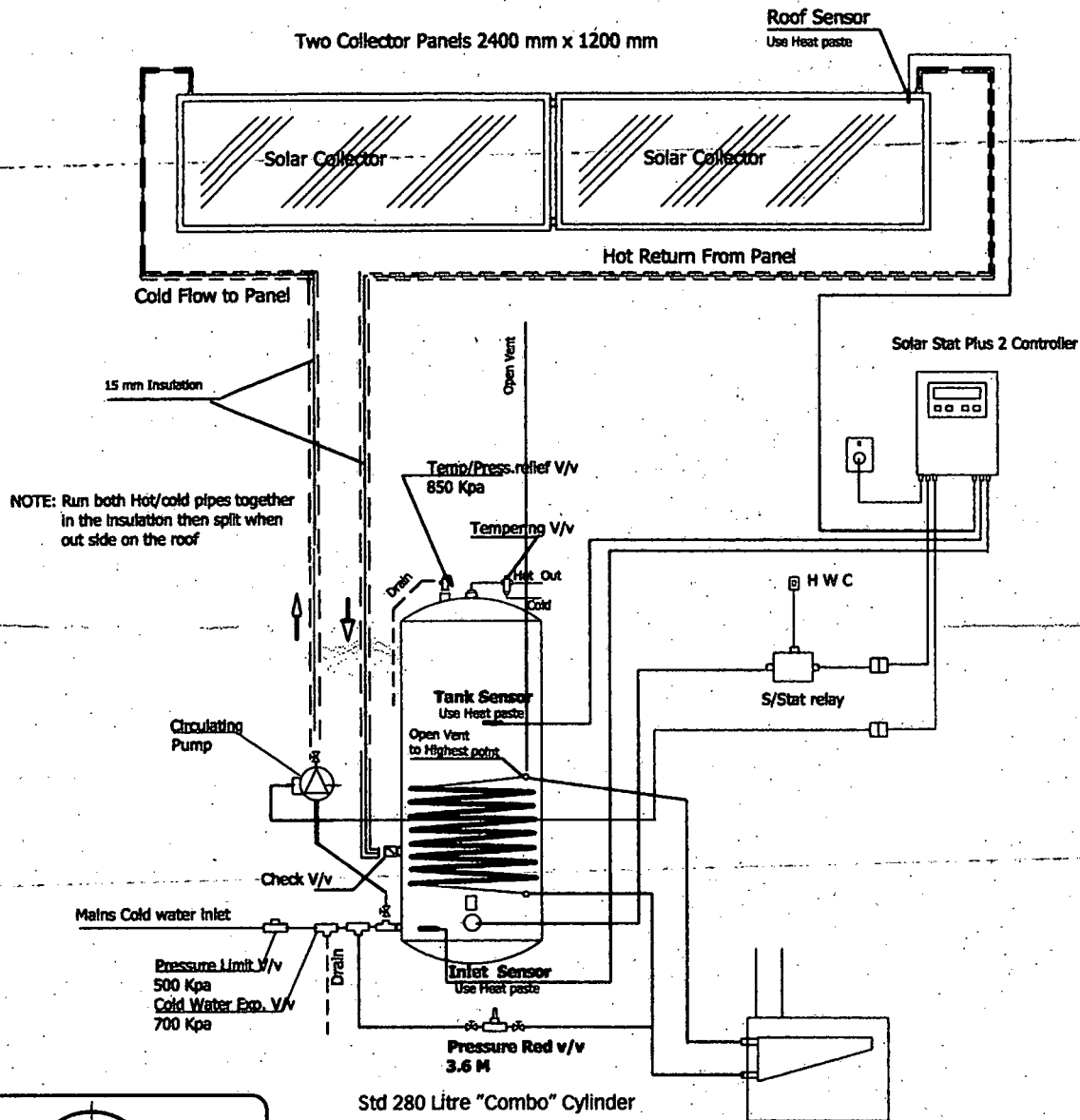


## Pumped System: Active - with wetback

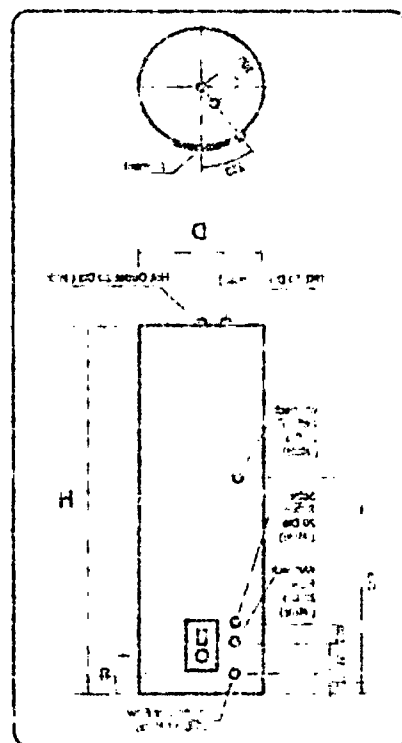
A pumped system is more efficient than a Thermosyphon system comparing the same size panel and will allow for a more flexible piping layout within the dwelling constraints.



The Combo Hot Water Cylinder must be installed by a qualified person in accordance with the requirements of the NZ Building Code and Solarmaster Ltd installation instructions.

Capacity	Litre	180	220	280
Dimensions	D mm	575	575	575
	H mm	1100	1300	1650
Materials (shell)	Stainless Steel	Duplex	Duplex	Duplex
Thickness	mm	2	2	2
Insulation	Polyurethane	50mm	50mm	50mm

Other sizes and capacities on request



## TAPER TOP FREESTANDING FLUEKIT SECTION VIEW

### Note :

External Requirements  
Refer to AS/NZS2918:2001 4.9.1

Install Flue System to AS/NZS2918:2001

When using a Rubber or Bitumen Flashing  
(Butynol , Dektite) an Additional Flue Pipe Baffle is required.

All External Air Vents & Ceiling Penetrations must  
be bird proofed with permanently fixed screens.

All External Air Vents and Ceiling Penetrations are  
to be Vermin and Rodent proof.

### Note: FLUE SYSTEMS Casing....

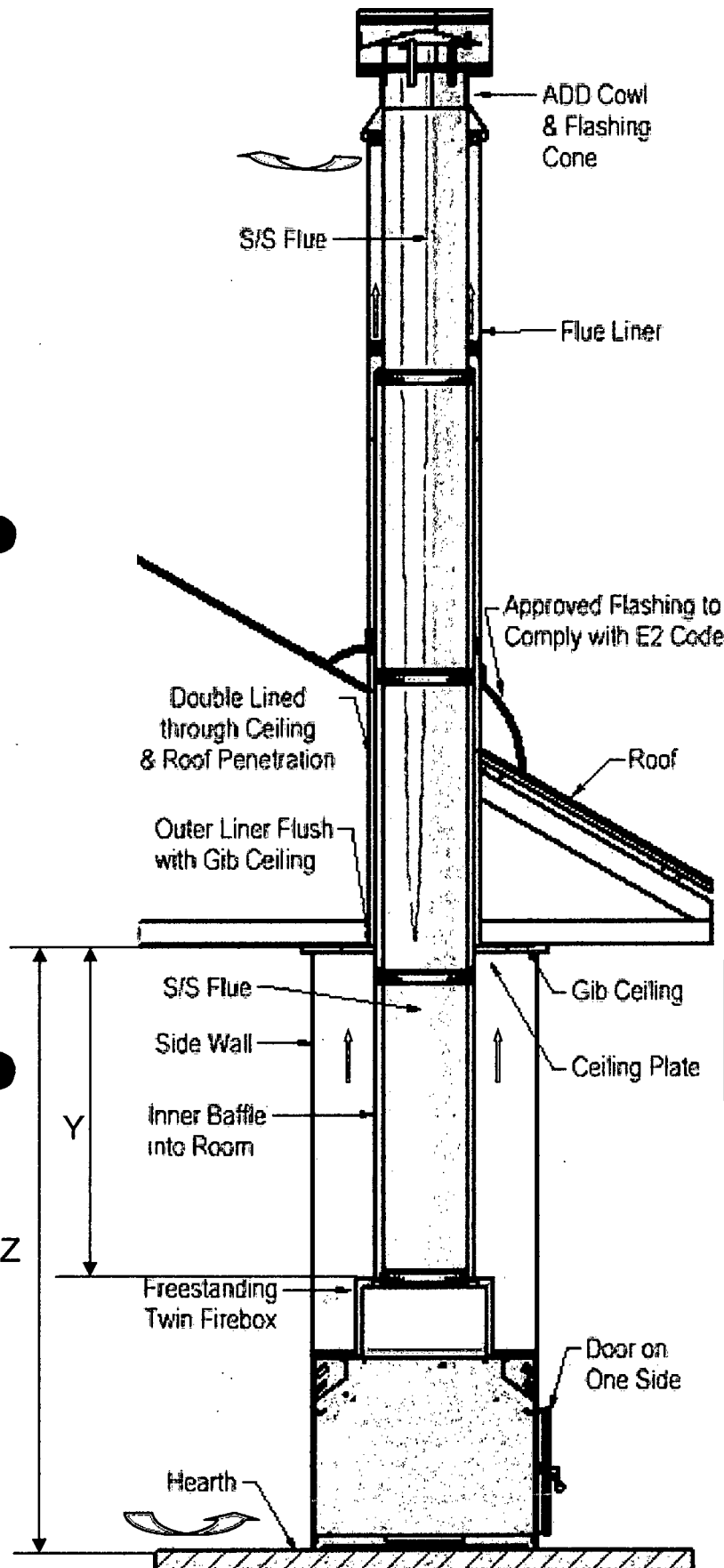
Flue system may require to be Doubled lined to comply.  
Ref ASNZS:2918:2001 4.3 Flue pipe casing

### Note:

A minimum Height must be maintained  
from the Top of the Cabinet to the Ceiling  
as per graph below .

Firebox		SI 780	SI 780T	SI 900	SI 1100
Top of Cabinet to Ceiling	Y	850	770	850	780
Minimum Ceiling Height	Z	1700	1700	1900	1900

Test Report Number	Date of Report
04/1039	20 <sup>th</sup> July 2004
04/1040	20 <sup>th</sup> July 2004
04/1041	20 <sup>th</sup> July 2004

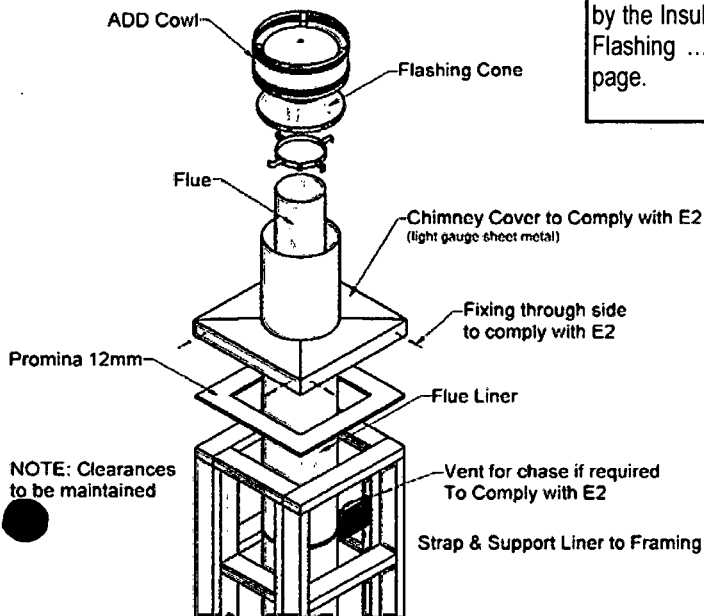


Due to continued product improvement, Warmington Ind LTD reserves the right to change product specifications without prior notification.

## CHIMNEY CHASE FLASHING DETAILS

## SETTING ADD COWL AND FLASHING CONE HEIGHT

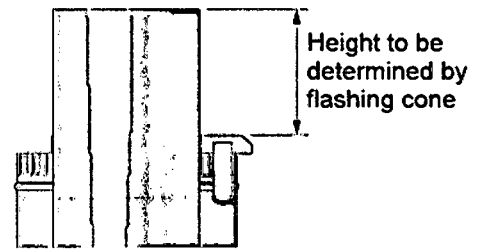
### General Chimney Chase Flashing Lay Out



### Note:

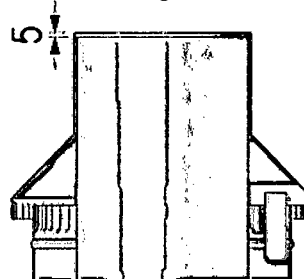
Flashing Spigot height is determined by the Insulation that is fitted under the Flashing ... See Details at bottom of page.

### STEP 1



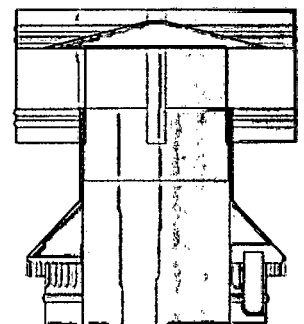
### STEP 2

Flue 5mm Below Top Of Flashing Cone



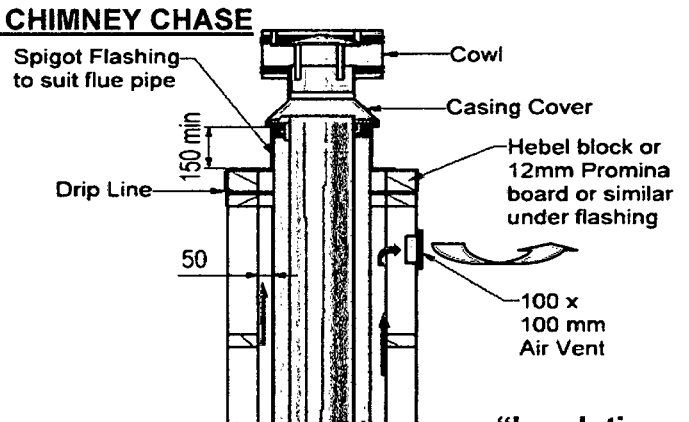
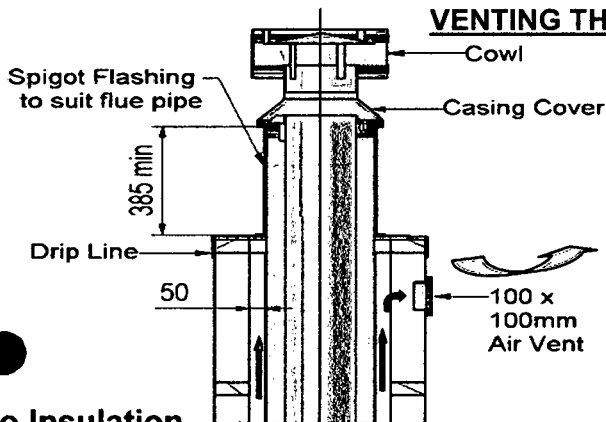
### STEP 3

ADD Cowl Sits on Top of Flashing Cone, screw to secure



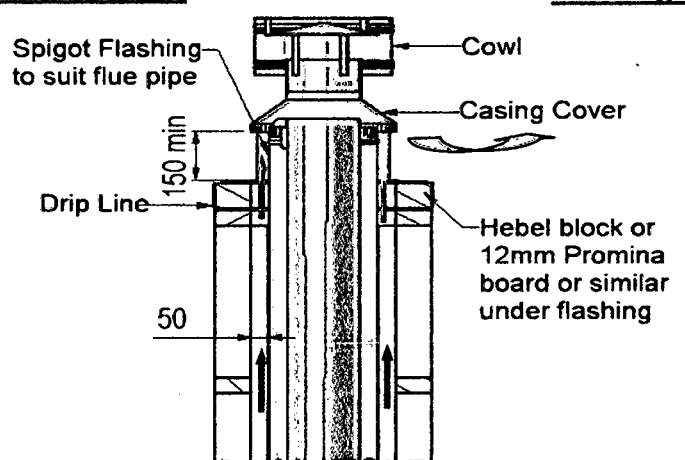
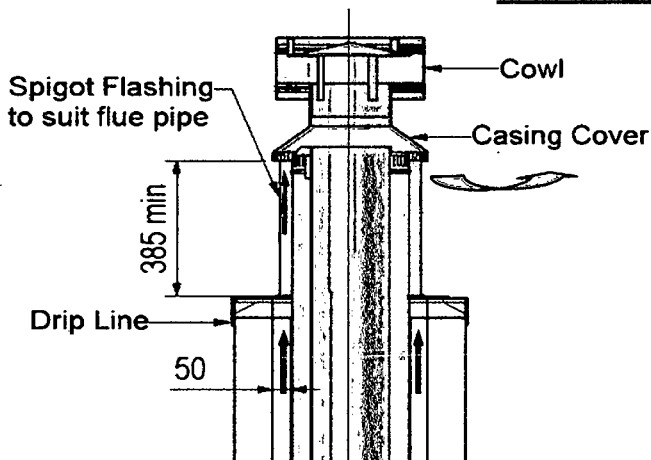
## "CHIMNEY CHASE FLASHING" AND "AIR VENTILATION" OPTIONS :

### VENTING THROUGH CHIMNEY CHASE



### "No Insulation under flashing"

### VENTING THROUGH FLASHING



### "Insulation under flashing"

Due to continued product improvement, Warmington Ind LTD reserves the right to change product specifications without prior notification.

*Installed by Warmington as per these drawings.*

## Resene X-200

### waterborne waterproofing membrane

Resene X-200 is an acrylic waterproofing membrane incorporating the most recent advances in polymer and paint technology. Shows significant advances in the areas of film build, adhesion, penetration, application and durability.

**exterior/interior**  
**WALLS 4 coats**

### Typical uses

- Concrete blocks
- Concrete surfaces
- Fibre reinforced cement

### Physical properties

Vehicle type	Pure acrylic
Pigmentation	Titanium dioxide/mineral and fibre reinforcement
Solvent	Water
Finish	Eggshell, very fine texture
Colour	Selected Total Colour System, including BS5252, Multi-Finish, Whites & Neutrals and The Range
Dry time (minimum)	1 hour at 18°C
Recoat time (minimum)	3 hours
Primer required	Yes, dependent on surface
Theoretical coverage	First coat: 5 sq. metres per litre Second coat: 7.5 sq. metres per litre
Dry film thickness	2 coats 180 microns
Usual no. of coats	2, blockwork - 3
Abrasion resistance	Very good
Chemical resistance	Very good
Heat resistance	Thermoplastic
Solvent resistance	Good
Durability	Excellent
Thinning and clean up	Do not thin, clean up with water
VOC	62 grams per litre (see Resene VOC Summary)

### Performance and limitations

#### Performance

1. Remarkable ease of application
2. Superior void and crack filling properties
3. Excellent durability. Requires no further 'weathering' coats
4. An Environmental Choice approved product

#### Limitations

1. Old, weathered concrete requires surface conditioning with Resene Sureseal (see Data Sheet D42)
2. Do not apply at temperatures below 10°C or when it is liable to drop below 10°C during the drying period
3. Not designed to be used under ponded water

Information contained in this Data Sheet is re-validated every two years following issue date. Please ensure the current Data Sheet and Material Safety Data Sheet are consulted prior to specification or application of product. If in doubt contact Resene.



Water Based Paint  
Licence No 1296003

## Physical properties

Pure acrylic  
Titanium dioxide pigment and fibre reinforcement  
Water  
Finish  
Colour  
Dry time (in air)  
Recoat time (in air)  
Theoretical coverage  
Dry film thickness  
Usual no. of coats  
Abrasion resistance  
Chemical resistance  
Thermal stability  
Good  
Excellent  
Do not thin clear up with water  
65 grams per litre (see Resene VOC Summary)

## Performance and limitations

1. Remarkable ease of application.
2. Superior void and crack filling properties.
3. Excellent durability. Reduces maintenance.
4. An Environmental Choice approved product.
1. Old weathered concrete requires surface conditioning with Resene Surseal (see Data Sheet DAS).
2. Do not apply at temperatures below 10°C or when it is likely to drop below 10°C during the drying period.
3. Not designed to be used under ponded water.

Variable type  
Light tint  
Solvent  
Finish  
Colour  
Dry time (in air)  
Recoat time (in air)  
Theoretical coverage  
Dry film thickness  
Usual no. of coats  
Abrasion resistance  
Chemical resistance  
Thermal stability  
Good  
Excellent  
Do not thin clear up with water  
65 grams per litre (see Resene VOC Summary)

## Performance

## Limitations

## Resene

## X-200

## Waterborne waterproofing membrane

Resene X-200 is a waterborne waterproofing membrane. It is a polymer-based product that provides a durable, flexible, and long-lasting waterproofing solution for a wide range of applications. The product is easy to apply and dries quickly, making it a popular choice for both professional and DIY users.

## Exterior/Interior

## Typical uses

- Concrete blocks
- Concrete surfaces
- Reinforced concrete

Information contained in this Data Sheet is re-validated every two years. Please consult the next Data Sheet and Material Safety Data Sheet for updates. For a full specification or further information, please contact your local Resene representative.





# X-200 waterborne waterproofing membrane

## Surface preparation

### Cracked surfaces

Due to its high film build, Resene X-200 will completely fill cracks up to 1mm. For cracks larger than this, apply one coat of Resene Sureseal (see Data Sheet D42) before filling the crack with a suitable elastomeric paintable sealant.

### New cementitious surfaces

Clean down thoroughly to remove all dirt, dust and loose material. Ensure surface is free from oil, grease, form release and curing agents. Glossy surfaces require an additional treatment of Resene Concrete Primer (see Data Sheet D405). Use Resene Limelock (see Data Sheet D809) on fresh cementitious surfaces to trap any free lime and prevent the appearance of lime staining.

### Old cementitious surfaces

If moss and mould are present, treat with Resene Moss & Mould Killer (see Data Sheet D80). Waterblasting at 21,000 kps (3000 psi) is the best surface preparation method prior to painting weathered cementitious surfaces. If waterblasting is not possible, remove all loose powdery material by thorough wire brushing. Allow to dry and apply one coat of Resene Sureseal (see Data Sheet D42).

*Sanding dust from old lead or chromate based paints or old building materials containing asbestos may be injurious to the health if inhaled or ingested. Seek expert advice if the presence of these materials is suspected.*

## Application

### Airless spray

Use a LTX 523 tip or similar. Use a coarse filter in the system as the fibre reinforcement of Resene X-200 may clog finer filters. Apply two coats.

### Brush

Apply two coats at specified rate.

### Roller

Use a 12-20mm synthetic fibre roller or texturing roller depending on surface. Apply two coats.

### Standard spray

Use a De Vilbiss JGA Gun with a D Tip DEX Needle and 107 J Air Cap or equivalent.

### Concrete blocks

Due to regional variations in concrete block standards, two coats may be insufficient to waterproof. Waterproofing can only be assured when all voids are filled, therefore three coats over block is a safer specification. Brush or roller application is preferred over block and essential for at least the first coat.

## Precautions

1. Do not thin - thinning destroys build properties.
2. Ensure correct pre-treatment is used and correct surface preparation is undertaken.

*Information contained in this Data Sheet is re-validated every two years following issue date. Please ensure current Data Sheet is consulted prior to specification or application of Resene products. If the surface you propose to coat is not referred to by this Data Sheet, please contact Resene for clarification.*

In New Zealand  
PO Box 38242, Wellington Mail Centre, Lower Hutt 5045  
Call 0800 RESENE (737 363), visit [www.resene.co.nz](http://www.resene.co.nz)  
or email [advice@resene.co.nz](mailto:advice@resene.co.nz)

**Resene**

the paint the professionals use

In Australia  
PO Box 785, Ashmore City, Queensland 4214  
Call 1800 738 383, visit [www.resene.com.au](http://www.resene.com.au)  
or email [advice@resene.com.au](mailto:advice@resene.com.au)