



ROOF FIXING SUPPLIES – ROOF EXCELLENCE



F 9/11 ENGLAND ST
DANDENONG. 3175
PHONE: (03) 9706 5751
FAX: (03) 9706 5851

Website: www.roof-fixing-supplies.com.au

For Orders and Technical Information contact:
ROOF FIXING SUPPLIES ABN 55 007 155 973
MOBILE and A/H.0425 701 734

OPEN

7.00AM – 4.30PM MON – FRI

96 SLATER PDE
KEILOR EAST. 3033
PHONE: (03) 9331 7508
FAX: (03) 9331 7830

Email: rfs@net2000.com.au



STORMSEAL SOLUTIONS – Designed for Australian Roofs

DESCRIPTION – RFS STORMSEAL SHAPES is polyurethane foam impregnated with bitumen emulsion (water based) and is flame resistant*. Colour is dark charcoal. It comes as 2m lengths or shorter pieces for individual tile profiles.

*TESTED – 1992 - CSIRO at North Ryde NSW - **Dynamic Weather Resistance**

Test Report DTR 162 Division of Building, Construction & Engineering

1992 - CSIRO at North Ryde NSW - **Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release**

Test Certificate Report FNE 6050 Division of Building, Construction & Engineering.

Stormseal has been designed to seal valleys and perimeters of Australian tile roofs, as well as the entire perimeter of steel roofs. Stormseal has inbuilt adhesion qualities, and holds the roof components down to all surfaces.

Stormseal shapes tailor cut lengths to suit a variety of tile profiles have been proven to withstand the tough Australian elements, and in most climatic conditions protect your roof.

Stormseal has many applications on all types of roofs, both metal and roofing tiles.

Stormseal remains durable and protects for many years. ** The foam shapes can be finished with a matching premium plastic paint or flexible pointing mix.

HEAT – Stormseal is flexible and easily fitted under metal ridge capping or roof sheet extremity.

WIND – Stormseal seals the roof against wind driven rain and dust.

RAIN – In valleys, Stormseal directs the water down the roof and is effective in dog leg valleys.

FIRE – Stormseal has been fire tested and is an effective barrier against bushfires when used to seal perimeter rooflines (as per fire test results).

RUST – Stormseal is an open cell design and will not hold moisture therefore no weep holes are required. Stormseal does not assist rust when in contact with metal.

VERMIN PROOF – Stormseal forms an effective seal against birds and rodents.

SKYLIGHTS – Stormseal is ideal for sealing around skylights and is an effective seal for all types of roof penetrations on all types of roofs.

FLEXIBILITY – Stormseal is available in many shapes; however one shape does many applications. The product compresses easily to the required shape, and then expands again to fill the gap providing an effective seal.

****PRODUCT WARRANTY** - All testing results and information enclosed are to assist building of a maintenance free roof for Australian conditions. Roof Fixing Supplies recommendations are included in this guide, however Roof Fixing Supplies has no control over the purpose for which Stormseal is used and the method of application. Therefore warranty is restricted to the performance of the Stormseal as nominated in the Stormseal independent test results. The manufacturer's warranty covers the replacement of Stormseal only in any claim during the 7 year warranty.

The product warranty covers the replacement of the product within 7 years from date of purchase should it fail to meet the performance expectations(criteria stated) when correctly installed. Correct installation is vital, however it is outside the control of the manufacturer. No warranty is provided should Agents, Distributors or Installers not follow installation guidelines.

The information contained herein is to the best of our knowledge true and correct at the time of publishing. However the details of the information contained herein may alter with any technical improvements to the product.

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STORMSEAL

ADDITIONAL INFORMATION AND APPLICATION HINTS

PRODUCT

Is a proven and practical replacement for mortar in traditional roof tile finish when a roof seal is required. Also Stormseal is cost effective, on “steep” and “multi-storey” work - “No mortar to crack and fall out”.

PROVEN

Test Reports on roof tile applications available by C.S.I.R.O.
Unofficial tests by CSR Monier and Flexitech have proved the above results.

INBUILT ADHESION

Generally holds tiles to all clean surfaces in 36 - 48 hours (if left undisturbed) @ 22°C

INSTALLATION

Very simple to install. Stormseal should be fitted when the valley tiles are being cut. Stormseal should be laid on the valley iron to a recessed line – say 20mm, under the finished cut valley tiles. See following pages for installation of other products and finishes.

TRADITIONAL FINISH

An accredited flexible pointing can be applied to Stormseal at the manufacturer’s instructions and weep holes are required. Stormseal must be used in conjunction with a proven mechanical fixing fastener e.g.: clouts, clips, screws, accredited adhesives, etc.

ALTERNATIVE FINISH

Stormseal can be painted with acrylic paint to provide a “coloured” appearance.

CUT

Stormseal can be cut with a serrated knife. Keep the blades clean.

CLEAN

Use household kerosene to clean hands, knives, tiles, valleys etc

MOIST

You may choose to use gloves when handling Stormseal shapes.
Stormseal is packed in a form with some emulsion still free inside the dry crusted foam thus handling sometimes results in black “water” being spilt. “Wet” pieces of Stormseal can be dried by exposing it to the dry elements until wetness evaporates.

SHELF LIFE

Stormseal remains in a usable condition if kept in a closed carton in a cool dry place. – Store Horizontally.

ANY SHAPE

Any shape / size can be made to order.
Standard valley size is 30mm x 40mm 2000mm

CARTON / QUANTITIES

Orders of standard stock filled to your requirements – “phoned ahead” allow 24 hours.

TECHNICAL DETAILS

Polyurethane foam – open cell used in various shapes
Raw Foam density – approximately 35kg per cubic metre.
Stormseal density range 75 – 95 kg per cubic metre.
Stormseal compression 20 – 80 % – Refer RFS Installation procedures.

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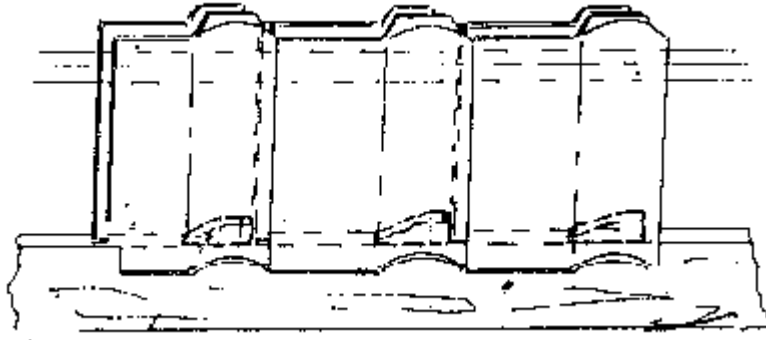
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STORMSEAL BIRD BLOCKS

FASCIA BIRD BLOCK SHAPES
FOR ALL TILE PROFILES



SELECT THE SIZE THAT SUITS THE ROOF TILE

<u>TILE PROFILE</u>	<u>QTY PER BOX</u>	<u>SHAPE</u>	<u>BLOCK SIZE</u>
➤ All concrete tiles	200 pieces-	Standard	40 x 30 x 100 mm long
➤ Swiss Profile	180 pieces	Swiss	50 x 30 x 75-80 mm long
➤ Bold Profile (Mediterranean)	120 pieces	Spanish	65 x 30 x 110 mm long
➤ Provincial Profile	80 pieces	Madrid	65 x 30 x 170 mm long
➤ Roman Profile	120 pieces	Roman	80 x 30 x 110 mm long
➤ Imported Spanish Profile	80 pieces	Extra large Spanish	(DC L) 80 x 30 130 mm long

INSTALLATION IS EASY

- Place Bird Block vertically on fascia
- Place roof tile into position - ensure block remains vertical
- Bird Block will adhere to all surfaces.
- On existing roofs - lift nose of tile, and place bird block upright in position and replace the tile compressing the bird block.

TOUGH INSTALLATIONS??

- Narrow or metal fascias? - Use a “dob” of Tremfil or a product with similar adhesion qualities to hold block in place.

STORMSEAL BIRD BLOCKS ARE POLYURETHANE IMPREGNATED WITH BITUMEN EMULSION [WATER BASE] AND ARE FLAME RESISTANT*
*As per CSIRO Test Results Report FNE 6050

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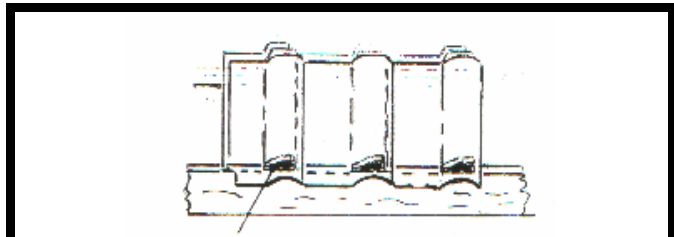
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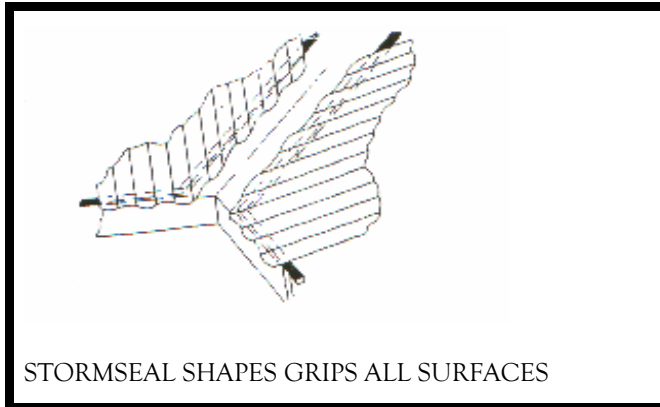
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STORMSEAL PERIMETER SOLUTIONS FOR:

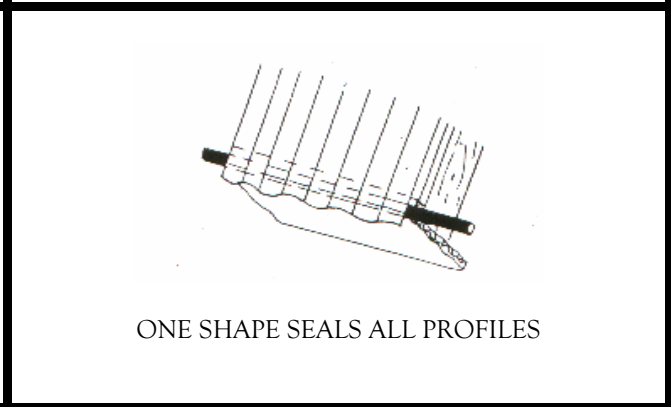
- Eave protection
- Bird blocks
- Dry barges
- Flyaway gables
- Concealed gutters
- Change of pitch
- Roof penetrations
- Mansard roofs



FASCIA BIRD BLOCKS FOR ALL PROFILES



STORMSEAL SHAPES GRIPS ALL SURFACES



ONE SHAPE SEALS ALL PROFILES

EAVE PROTECTION – The choice of a Stormseal shape enables all roof perimeters to be effectively Sealed.

BIRD BLOCKS – Cartons of selected Stormseal shapes diced to lengths for simple installation. Stormseal has inbuilt adherence, which holds the tile to the fascia – timber, metal or masonry. Stormseal can be compressed and inserted into gaps and then allowed to expand to seal the gap. When metal fascias are in use – “a dob” of Tremfil will effectively anchor the bird block to this perimeter line.

DRY BARGES AND FLYAWAY GABLES – Selected Stormseal shapes, stops all weather and vermin entering through gaps in dry barge finishes or flyaway gables. Stormseal stops bird entry and allows the roof to breath via its open cell design.

CONCEALED GUTTERS – Valley seal directs the rainwater down the roof during the “big down pours”.

CHANGE OF PITCH AND MANSARD ROOFS – Stormseal will stop wind driven rain on all roofs where there is a change of pitch and seals all gaps on mansard roof design.

ROOF PENETRATIONS - Different selected Stormseal sizes and shapes available to complete any task.

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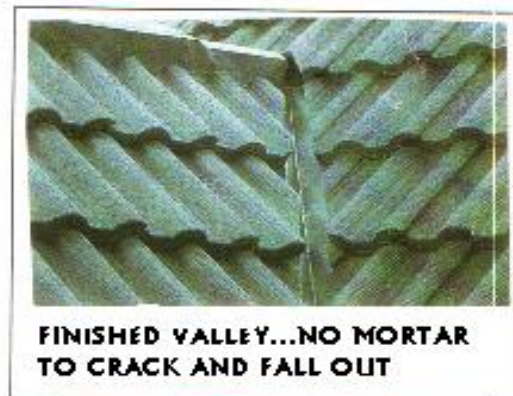
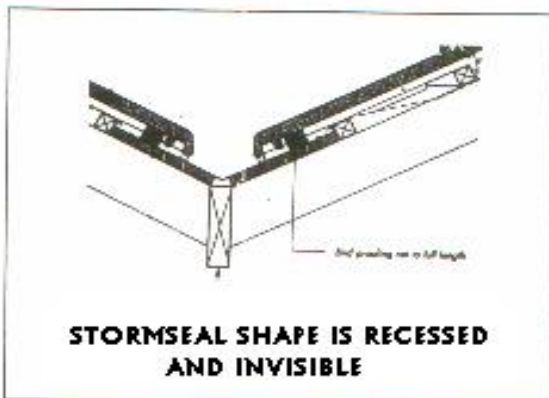
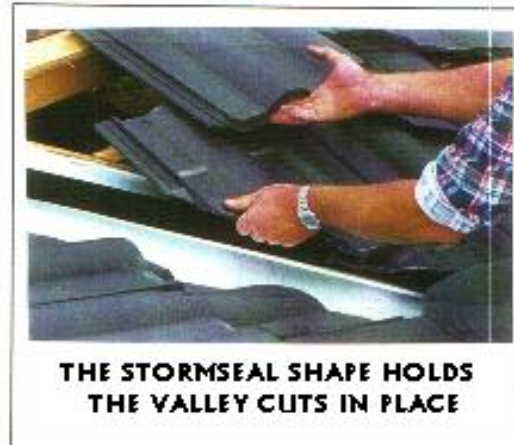
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STORMSEAL VALLEY



Stormseal provides a tradesman finish and seal to a dry valley and provides both an economical and maintenance free finish. The Stormseal stops birds and vermin entering through any roofline gaps. Stormseal has unique inbuilt adhesion, which holds the valley cuts in place and will direct any heavy rainfall down the valley iron and around all “dog legs”.

Stormseal should be fitted when the valley tiles are being cut. Stormseal should be laid on the valley iron to a recessed line – say 20mm, under the finished cut valley tiles. Alternative finishes can be achieved by painting the Stormseal with premium plastic roof paint **OR** by using a pointing mix, which will adhere to the Stormseal shape and provide a traditional finish. On steep roofs, the valleys can be cut closer to improve the aesthetic appearance of the roof while the Stormseal seals and protects.

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STORMSEAL METAL SEAL NO. 12

METAL CAPPING ON FLAT PROFILED ROOF TILES



The Stormseal Solution works!

- Stormseal metal seal No.12 is installed to both sides of the metal ridge.
- Stormseal compresses then fills all gaps – use either side on its edge.
- Stormseal blocks out all weather, including wind driven rain.
- Stormseal inbuilt adhesion seals all the roof tile components.
- Stormseal stops the ghastly rattle.
- Stormseal is easy to install
- Stormseal is a cost-effective solution for your alternative traditional tile roof finish



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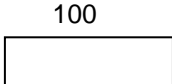
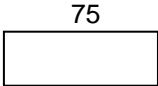
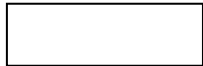
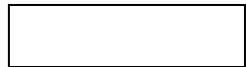

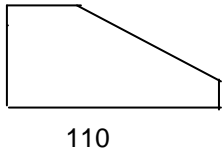
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BIRD BLOCKS

DESCRIPTION	QTY PER BOX	SPECIFICATIONS	STYLE
CONCRETE	200	40 X 30 mm 100 mm long	40 
SWISS	180	50 X 30 mm 75-80 mm long	50 
SPANISH	120	65 X 30 mm 110 mm long	65 
MADRID	80	65 X 30 mm 170 mm long	65 
DC L	80	80 X 30 mm 130mm long	80 
ROMAN	120	80 X 30mm 110mm long	80 

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Certificate of Test

N92/0022:NFBNE1294

SIMULTANEOUS DETERMINATION OF IGNITABILITY, FLAME PROPAGATION, HEAT RELEASE AND SMOKE RELEASE: REPORT NO. FNE6050

TRADE NAME: Stormseal

SPONSOR: Storm & Security Roof Tile Fixing Pty Ltd
2/5 Bungaleen Court
DANDENONG VIC

DESCRIPTION OF TEST SPECIMEN: A description of the test samples has been provided by the sponsor with his Sponsored Investigation Agreement of 14 April 1992.

Polyurethane foam impregnated with a water-based bitumen emulsion and self-adhered to 4.5 mm thick fibre-reinforced-cement board.
Nominal thickness of foam tested: 30 mm
Density of impregnated foam: 28-30 kg/cubic m
Colour: Black

TEST PROCEDURE: The samples were tested in accordance with Australian Standard 1530.3-1989, Simultaneous Determination of Ignitability, Flame Propagation, Heat Release and Smoke Release. For the test each sample was retained by one layer of square mesh having 0.8 mm dia. wires at approximately 13 mm centres over the exposed face and clamped to the specimen holder in four places.

OBSERVATIONS: Samples began to melt after approximately 3 minutes exposure to the test. Some flashing occurred on the samples prior to ignition. Flaming droplets were observed following ignition of the specimen.

RESULTS: The following means and standard errors were obtained:

Parameter	Mean	Standard Error
Ignition Time (min)	7.0	0.5
Flame Spread Time (sec)	20.3	1.5
Heat Evolved Integral (kJ/m ²)	113.4	11.9
Log Optical Density	-0.668	0.028

For regulatory purposes these figures correspond to the following indices:

Ignitability Index (0-20)	Spread of Flame Index (0-10)	Heat Evolved Index (0-10)	Smoke Developed Index (0-10)
13	9	4	5

TESTING OFFICER: Z Trojko

DATE OF TEST: 27 April 1992

Issued on the 13th day of May 1992 without alterations or additions.

M A Ryan
for Manager, Fire Technology

Division of Building, Construction and Engineering
PO Box 310 NORTH RYDE NSW 2113 Telephone (02) 888 8888 Fax (02) 888 9335



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