

FLASHING SYSTEMS

Selection and
Installation Handbook

ISSUE
01



- Longrun Metal Roofs
- Concrete, Slate and Tile roofs
- Flues
- Pipes
- Ridges
- Apron Flashings
- Hip Flashings
- Damp Proof Course
- Repair Tape
- Silicone



DLM Flashing Systems

The Versatile Solution

Time and money saving answers for every flashing situation

Whatever your building and construction flashing requirements, you'll find an innovative, practical answer in the DLM range of flashing systems.

The unique features and high performance of any DLM flashing system symbolises the care and attention to design detail that goes into every DLM product.

From the smallest cable penetration through to roof, window and door flashings or for an emergency repair in a hurry DLM will provide the ultimate weather tight seal.

When you choose from the DLM flashing systems you'll discover the advantages of doing it right with better performance and an easier, more cost effective installation.

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Dektite

Design features



Flexible Cone Sleeve

Dektite cone shape eliminates seal breakdown due to vibration or expansion and contraction, while isolation of pipe from sheeting dampens noise levels.

Stress Isolation Points

Unique to Dektite, two flexible shoulders absorb distortion and stop transfer of stresses from base to cone, as unit is formed over roofing profile.

Bonded Aluminium Flange

Corrosion-resistant, malleable flange, evenly distributes fastening pressure and allows ease of hand-shaping on most sheet profiles.

Integrity of Flashing Shape

Minimal distortion after installation, maintains natural flashing shape and seal around pipe, while water run-off is improved.

UV Protection

Dektite products are resistant to ultraviolet light damage and will remain fully flexible under all conditions.

Easily Identified Sizing

Pipe diameter rings are clearly marked on the cone sleeve (metric and imperial) for cutting to match the appropriate pipe diameter.

Low Profile Design

Sleek, unobtrusive shape is designed to minimise silhouette on roofline, while managing to provide generous internal clearance for steep, angular installations.

Improved Waterproofing

Designed to strengthen sealant bond and improve waterproofing, the ribbed base also has a tapered edge to improve runoff and contribute to a superior waterproof seal.

Perfect for approved flues!

Dektite EPDM polymer flashings have been officially tested and conform to all Australian and New Zealand Standards on approved flue systems. EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently. withstands temperatures from -60°C - 200°C and up to 250°C intermittently.

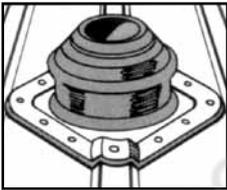
Dektite Premium

The versatile solution

- ✓ Most extensive range of Dektites 0 - 510mm penetrations, available in black and grey EPDM and silicone red for high temperatures.
- ✓ Designed to enable practically any pipe flashing operation to be carried out within minutes, simple to install and very effective.
- ✓ The low profile cone not only looks good but provides a generous internal clearance, so even the steepest roofs are handled with ease.
- ✓ Around the base of the cone a flexible bead reduces stress on the flashing membrane.
- ✓ Suitable for flashing pipes that penetrate wall claddings.
- ✓ For a maintenance free seal on pipes from 0 - 510mm diameter, it's much more than a flexible solution to pipe flashing, it's a means of saving time and money.
- ✓ Can also be used to flash square penetrations. Just add 30% to the pipe diameter and trim the cone to suit.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.
- ✓ Silicone withstands temperatures from -60°C - 200°C and up to 250°C intermittently.

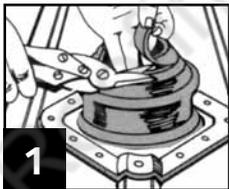


Installation Instructions:

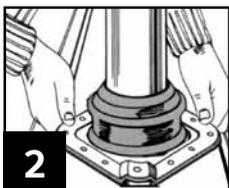


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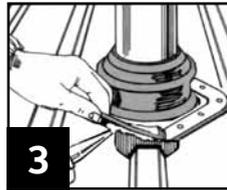
For more effective drainage, always fit the Dektite on the diamond or bias. Dektites are suitable for flashing pipes that penetrate wall claddings.



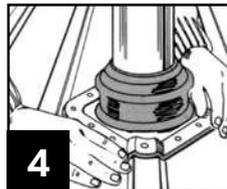
Cut a neat hole in roofing sheet with minimum clearance for pipe and insert pipe through hole. Trim the cone to suit pipe size using sharp tin snips. Where required, support cut sections of sheet with additional framing.



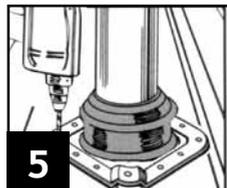
Slide Dektite flashing down over pipe. Lubricating the pipe with water allows the pipe to slide snugly into position.



Apply a neutral-cure silicone sealant by turning back the flexible flange (refer to page 13 for silicone types).



Press base to the roof profile by hand, smooth out any awkward creases. Don't fully extend to allow for vibration.



Fasten using self drilling washered screws. Fit fasteners progressively outward in opposing pairs to avoid gaps.

Code: Black EPDM	Code: Grey EPDM	Code: Red Silicone	Base (mm)	Pipe (mm)	Pitch
DFE10MB			71 x 71	0-20	0-60
DFE100B	DFE100MG		100 x 100	0-35	0-60
DFE100BS		DFE200RES	100 x 100	0-35	0-60
DFE101B	DFE101G		139 x 139	5-55	0-45
DFE101BS		DFE201RES	139 x 139	5-55	0-45
DFE102BA	DFE102GA	DFE202REA	181 x 181	50-70	0-45
DFE103B	DFE103G	DFE203RE	218 x 218	5-127	0-45
DFE104B	DFE104G	DFE204RE	279 x 279	75-175	0-45
DFE105B	DFE105G	DFE205RE	309 x 309	100-200	0-45
DFE106B	DFE106G	DFE206RE	363 x 363	125-230	0-45
DFE107B	DFE107G	DFE207RE	456 x 456	150-300	0-45
DFE108B	DFE108G	DFE208RE	495 x 495	170-355	0-45
DFE109B	DFE109G	DFE209RE	680 x 680	230-508	0-45



DFE201RES



DFE100BS

Dektite Combo

Flash over or around. A standard Dektite and Retrofit all in one.

- ✓ The unique cone design makes the combo range suitable for both standard and retrofit applications.
- ✓ When retrofit is required just cut and apply clips for ease of application. **Clips included.**
- ✓ Suitable for roof pitches up to 40°.
- ✓ Provides 10 - 20mm continuous contact with flashed pipe providing a watertight seal.
- ✓ Clear markings makes for easier cutting to pipe size.
- ✓ Size ranges - Numbers 1 - 10 (5 - 750mm)
- ✓ Available in black EPDM.
- ✓ Just fit it and forget it - we've got you covered.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.



Combo Selection Guide

Code	Description	Pipe (mm)	Base (mm)	Roof Pitch
DC101BC	Dektite Combo #1	5-60mm	139 x 139mm	0-40°
DC102BC	Dektite Combo #2	45-85mm	177 x 177mm	0-40°
DC103BC	Dektite Combo #3	5-127mm	221 x 221mm	0-40°
DC104BC	Dektite Combo #4	75-175mm	285 x 285mm	0-40°
DC105BC	Dektite Combo #5	108-190mm	366 x 366mm	0-40°
DC106BC	Dektite Combo #6	125-230mm	366 x 366mm	0-40°
DC107BC	Dektite Combo #7	150-280mm	454 x 454mm	0-40°
DC108BC	Dektite Combo #8	175-330mm	454 x 454mm	0-40°
DC109BC	Dektite Combo #9	240-508mm	705 x 705mm	0-40°
DC110BC	Dektite Combo #10	400-750 mm	995 x 965mm	0-40°

Combo Square Selection Guide

Code	Description	Pipe (mm)	Base (mm)	Roof Pitch
DCS103BC	Dektite Combo Square	20-125 mm	221 x 221mm	0-40°

Installation Instructions

Standard Application

- 1 Trim the cone to suit pipe size using sharp tin snips.
- 2 Slide down pipe using water as a lubricant.
- 3 Apply a liberal bead of silicone sealant on underside of flexible aluminium base (refer to page 13 for silicone types).
- 4 Press base to the roof profile by hand. Smooth out any awkward creases. Don't fully extend to allow for vibration.
- 5 Fasten using self drilling washered screws.

Retrofit Application

- 1 Trim cone to suit pipe size then cut seam and aluminium base using sharp tin snips.
- 2 Apply a liberal bead of silicone to one side of the cut seam.
- 3 With seam in downstream position wrap cone around pipe and engage 1st double clip at top of seam using multigrips.
- 4 Engage remaining clips working down from top of cone to base.
- 5 Apply liberal bead of silicone sealant to underside of Dektite Combo and shape to roof by hand (refer to page 13 for silicone types). Screw down using self drilling washered screws.
- 6 Fasten flashing down by placing a fastener either side of seam first then secure rest of base.
- 7 Apply sealant to top of base closure and any other potential leak areas.

Dektite Flatseal

For flat and low pitch roofs

- ✓ For Flat and low pitch roofs with single ply or bitumen coverings.
- ✓ No special tools or fittings are needed.
- ✓ Flatseal EPDM snaps tight to pipe without clips.
- ✓ Seals to roof with hot or cold liquid bitumen.
- ✓ Black EPDM for maximum UV and Ozone resistance.

Code	Base (mm)	Pipe (mm)	Colour
FS25-175	345	25-175	BLACK (EPDM)



Dektite Soaker

The perfect flashing for all tray roofs

- ✓ The large base of the Dektite Soaker dramatically reduces rainwater back up on very low or very high roof pitches and deep ribbed roofing profiles.
- ✓ Dektite Soakers are ready to use straight from the box.
- ✓ Faster to flash than old fashioned methods.
- ✓ The unique corrosion resistant aluminium flange is ideal for low pitch and deep profile roofs, providing a positive leak-proof seal.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.

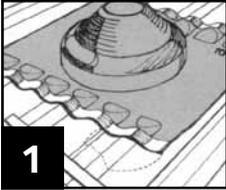
IMPORTANT:

For any pitch above 40° do not cut below the first three sizing ribs on the 603, 605 and 606

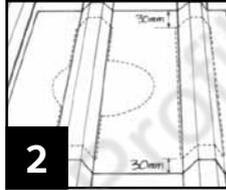


Code	Base (mm)	Pipe (mm)	Pitch	Pipe (mm)	Pitch
DF 602	410 x 360	75-160	0-60°		
DF 603	485 x 460	114-165	0-60°	114-255	0-40°
DF 605	708 x 635	250-358	0-60°	250-410	0-40°
DF 606	1006 x 905	380-470	0-60°	380-610	0-40°

Installation Instructions:



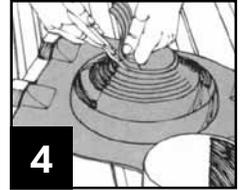
1 Mark position of pipe on roofing sheet, centre Dektite Soaker over mark ensuring word "top" is towards highest part of roof, and form Dektite Soaker flanges to roof profile.



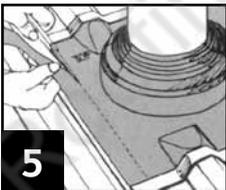
2 Mark ribs or corrugations to be removed to allow adequate drainage around cone. Allow at least 30mm all round to fasten Dektite Soaker's aluminium strips to roofing sheet.



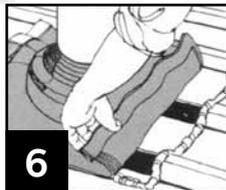
3 Cut out marked portions of roof, filing away sharp edges and install pipe securely in place. Where required, support cut sections of sheet with additional framing.



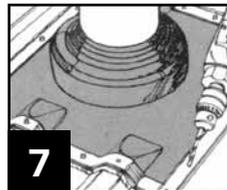
4 Trim Dektite Soaker cone to suit pipe size with sharp tin snips and slide down pipe using water as lubricant.



5 Form Dektite Soaker base into contours of roofing sheet, positioning loose strips on either side of cone in best position to ensure drainage of pan or tray. Trim excess EPDM from outside of loose strips. Trimming should be considered prior to cutting of the roof sheet.



6 Apply a generous bead of neutral-cure silicone sealant to underside of Dektite Soaker base along entire perimeter (refer to page 13 for silicone types).



7 Fasten flashing to roof using washed self-drilling screws, ensuring Dektite Soaker forms flat trough for water run-off. Fix integral aluminium strips from centre outwards before attaching loose strips provided.



Dektite Retrofit Soaker

Designed to flash where access to installation is restricted

- ✓ Like Dektite retrofit, they are designed to flash where access to installation is restricted.
- ✓ The unique crimp closure mechanism makes pipe or vent flashing an elementary wrap and seal procedure requiring no soldering or special tools.
- ✓ The Dektite Retrofit Soaker will flex with the roof decking without cracking or leaking and their smooth tray area means water run-off is super efficient.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.

One Standard Size: for 235 - 425mm pipes

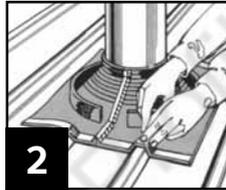
Code	Base (mm)	Pipe (mm)	Pitch	Colour
RSF 4	750 x 660	235-425	0-45°	GREY (EPDM)



Installation Instructions:



1 Measure outside pipe diameter and trim cone exactly where indicated.



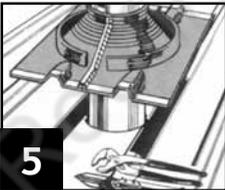
2 Mark out area where ribs of roof panel are to be removed. Where necessary support cut sections of sheet with additional roof framing.



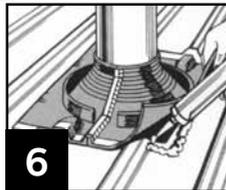
3 With clip in down-stream position tension top of cone around pipe and engage metal teeth in opposing pockets.



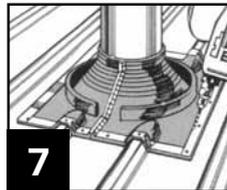
4 Crimp the top three clips with pliers. To assist in completion of crimp, place hand behind the seam for support and continue crimping. Do not overcrimp.



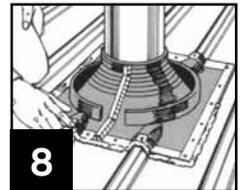
5 Form Dektite base into contours of roofing sheet, positioning loose strips on either side of cone in best position to ensure drainage of pan or tray and trim sides if necessary. Trimming should be considered prior to cutting of the roof sheet.



6 Apply a neutral-cure silicone sealant to underside of Dektite base and press to contour of sheet profile.



7 Fasten flashing to roof using washered self drilling screws. Secure clip by placing a fastener either side of the clip.



8 Apply neutral-cure sealant to top of crimp closure and any other potential leak areas (refer to page 13 for silicone types).

Dektite Retrofit

When it has to flash around and not over...

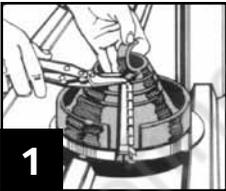


- ✓ Wraps around existing or difficult to access pipes, installations are a breeze.
- ✓ The built-in crimps mean no loose clips or rivets, snaps together in seconds.
- ✓ Made from quality polymer compounds, grips tight and stays tight.
- ✓ The supple aluminium base conforms like magic for easy profile moulding.
- ✓ Can also be used to flash square penetrations. Just add 30% to the pipe diameter and trim the cone to suit.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.
- ✓ Red Silicone will withstand constant temperatures at the roofline of -50°C to 200°C and up to 250°C intermittently
- ✓ For pipes over 150mm Ø use a stainless steel support / hose clamp.



Code:	Code:	Base	Pipe	Pitch
Grey EPDM	Red Silicone	(mm)	(mm)	
RF 801G	RF901	160	20-70	0-40°
RF 802G	RF902	273	50-185	0-40°
RF 803G	RF903	369	85-255	0-40°

Installation Instructions:



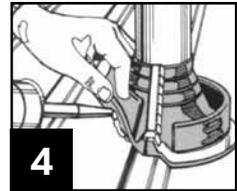
Measure outside pipe diameter and trim cone exactly where indicated.
For square pipes add 30%.



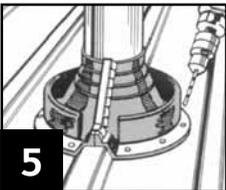
With clip in down-stream position, tension top of cone around pipe and engage metal teeth in opposing pockets.



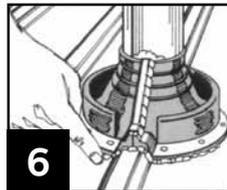
To assist in locating clip into pocket, place hand behind the seam. Fasten clip with pliers or multi-grips, working from top to base. **Do not overcrimp.**



Apply a liberal bead of neutral silicone sealant to the underside of Dektite base and press to contour of sheet profile.



Fasten flashing with washered self drilling screws. As per diagram, secure clip by placing a fastener either side of the clip first.



Apply sealant to top of crimp closure and any other potential leak areas. (refer to page 13 for silicone types).

Acrylead Tile Flash

For tiled and slate roofs

- ✓ Acrylead offers the benefit of a thermo baked acrylic primer coating to both surfaces of the lead apron, ready for finish coating to match surrounding roof or trim colours.
- ✓ The potential for lead oxides to leach from the apron and cause staining is now virtually eliminated.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.
- ✓ Easy to install - no messy sealants required or sticky backing used.



Code	Base (mm)	Pipe (mm)	Pitch	Colour
TFL5-55	300 x 500	5-55	0-45°	GREY (EPDM)
TFL50-70	300 x 500	50-70	0-45°	
TFL5-127	400 x 600	5-127	0-45°	
TFL75-175	450 x 600	75-175	0-45°	
TFL150-300	600 x 900	150-300	0-45°	

Installation Instructions for Lead and Aluminium Flashing:



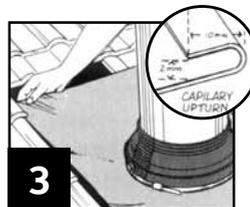
1

Trim Tileflash cone to suit pipe size.



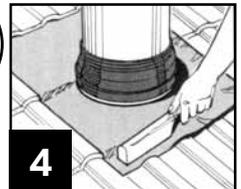
2

After first lubricating the flue with water, slide Tileflash down to tile level.



3

Flatten the Acrylead and form a anti-cappillary fold. Then place the upper edge of the base underneath the tiles up stream.



4

Finally, dress the apron to the surrounding tile area.

Dektite Aluminium

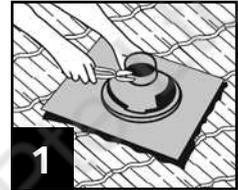
The best solution for stone chip and pressed metal tiles

- ✓ The base is 99.9% pure grade aluminium making it strong, malleable and easy to install.
- ✓ Environmentally friendly, ideal where potable water is collected.
- ✓ The best solution for stone chip and pressed metal tiles.
- ✓ EPDM withstands temperatures from -50°C - 115°C and up to 150°C intermittently.

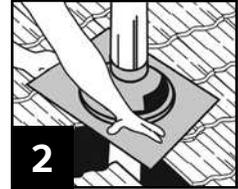
Code	Base (mm)	Pipe (mm)	Pitch	Colour
TFA 12-70	500 x 600	12-70	0-45°	BLACK (EPDM)
TFA 50-170	600 x 600	50-170	0-45°	
TFA 110-220	764 x 764	110-200	0-45°	
TFA 160-300	764 x 764	160-300	0-45°	
TFA 300-450	965 x 965	300-450	0-45°	



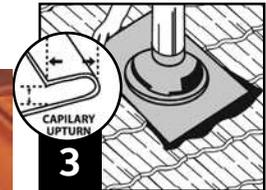
Installation Instructions:



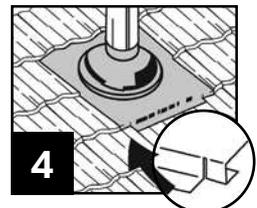
1 Trim Dektite cone to suit pipe size using sharp tin snips.



2 After lubricating the flue with water, slide Dektite down to the tile level.



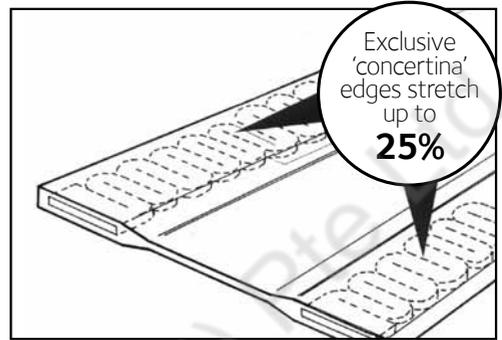
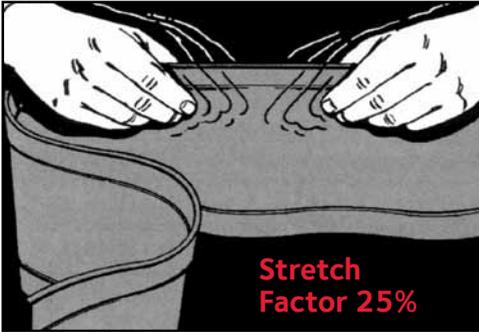
3 Form an anti-capillary fold then place upper edge of base under up-stream tiles.



4 Dress base to profile, cut tabs on the bottom corners and fold under to stop wind lift.

Dekstrip Flashing

With the amazing patented stretch edge

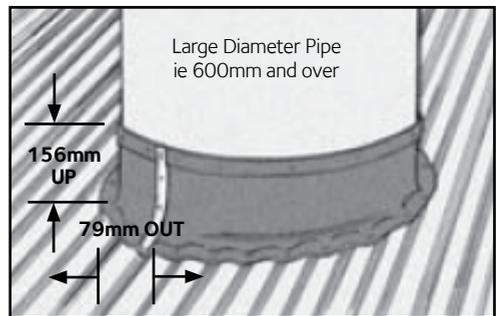


- ✓ The Dekstrip edges contain an expanding aluminium strip (in concertina form) totally encased by the EPDM flashing.
- ✓ Dekstrip can be stretched and formed around most roof profiles and maintain that shape.
- ✓ Typical applications include bullnosing, where two different profiles intersect, curved parapet flashing, expansion joints in gutters, change of pitch and large round pipe penetrations.
- ✓ Fastening is done through the aluminium strip using suitable fasteners with a minimum 10mm head. In case of rivets use a 10mm washer under head.
- ✓ EPDM based thermoplastic elastomer (TPE) will withstand temperatures from -50°C - 115°C and up to 150°C intermittently.
- ✓ Dekstrip can be painted (contact DLM for technical advise).

Large Round Pipes

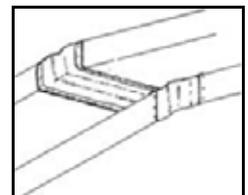
- 1 Mark a line on the pipe, 156mm above the roof. Take this mark from the valley. Circle the pipe.
- 2 Fasten Dekstrip (after applying sealant) at this line. Overlap ends by 50mm.
- 3 Stretch the entire unfastened bottom edge.
- 4 Seal and fasten bottom edge, allowing same overlap at bottom as at top - suggest valley fixing.

All listed measurements are for 235mm wide strip flash. If using other widths use a ratio of 2/3 up the pipe 1/3 over the roof profile.



Expansion Joints

The flexibility of Dekstrip makes it ideal for joining box guttering. No problems with movement or leaking.



Code	Length (m)	Width (mm)	Material
DS3-235	3.1	235	EPDM based grey Thermoplastic Electomer (TPE)
DS10-180	10	180	
DS10235	10	235	
DS10305	10	305	Price and availability on application
DS23-180	23	180	
DS23-235	23	235	
DS23-305	23	305	
DS15/450	15	450	

Helpful Hints

Dektites

- ✓ When cutting do not use a knife. Sharp tin snips will provide the smoothest finish.
- ✓ Always cut where sizes are indicated. Incorrect point of cutting may result in poor fit.
- ✓ Hand form aluminium edge before fastening.
- ✓ Fasten from vertical centre to outside.
- ✓ When pulling the Dektite down a pipe, lubricate the pipe with water first.

Retrofits

- ✓ Do not overcrimp seam.
- ✓ For pipes over 150mm diameter use a stainless steel support clip.

General Points - Applicable to all Deks flashing products

- ✓ Always ensure that a liberal amount of sealant is applied **UNDER** any perimeter aluminium-backed edge.
- ✓ **Seamed Pipes:** When flashing a metal flue that has an exposed seam, using a neutral cure sealant, seal the seam from underside of the cowl to the top of Dektite cone.
- ✓ Where multiple skin flues are used, EPDM Dektite are appropriate.
- ✓ Under **NO** circumstances should any Dektite product be used on an unapproved (i.e. single skin) flue discharging from a wood combustion appliance.
- ✓ Overstretching of EPDM compound products can lead to shortened life expectancy.
- ✓ Please note that the outside temperature of the pipe is usually significantly lower to the exit temperature of the appliance.

Look at this Performance

ASTM Method	Test Description	Spec. Required	Test Results Black EPDM Dektite	Test Results Grey EPDM Dektite
D2240 D412 D412	Shore 'A' Hardness: Tensile Strength (MPa min): Elongation @ Break (% min):	60+/-5 7.0min 350min	60 10.5 650	60 10.5 650
D624	Tear Resistance Die C (KN/m min): Trouser Tear (KN/m min):	20.0 min 10.0min	31.5 14.0	32.0 14.5
D573	Heat Resistance 70hrs @ 100°C Change in Hardness (points): Change in Tensile (%): Change in Elongation (%):	+/-10 +/-25 +/-25	+1 +3.5 +14.0	+3 -5.0 -16.0
D395	Compression Set 22hrs @ 70°C after (%max):		14.0	14.5
D1171	Resistance to Ozone	100ppm No Cracks	Passed	Passed
D2137	Low Temp. Brittleness 3 mins @ -50°C:	Non Brittle	Passed	Passed
U.L.94	Flame Resistance	U.L.94H.B.	Passed	Passed

Silicone Sealants

The following silicones have been trialed and have been found to provide a satisfactory bond between the EPDM and most commonly used roofing materials.

- **Sikasil AP Multipurpose Silicone Sealant**
- Selleys Roof & Gutter Silicone Sealant
- OCI Roof and Gutter N-192, Silicone Sealant
- Bostik Findley Roof & Gutter Silicone Sealant
- Dow Corning • 791 Silicone Weatherproofing Sealant



Code	Description	Box	Colour
SIKAAP	All purpose neutral silicone	12	TRANSPARENT

Dektite Pipe Flashing Warranties

This warranty on Dektite Pipe Flashing is given by Consolidated Alloys (NZ) Ltd 55 Maurice Road, Penrose Auckland, New Zealand for the periods and under the terms and conditions listed below.

1. DLM warrants that all Dektite pipe flashings will perform in accordance with our published specifications and will be free from defects in material and workmanship for a maximum period of 20 years, commencing from the date of delivery to end user.

Under this warranty DLM will, at its option, repair or replace any defective Products. Any claim should be made in writing within 60 days following the discovery of any defect. DLM shall not be liable for any costs incurred in the removal of defective items or installation of replacement items nor cost of freight and other associated charges.

2. This warranty shall not apply where:-

- (a) the Product has not been installed in strict accordance with our published recommendations;
- (b) the Product has been installed in an area which has been exposed at any time during the warranty period to corrosive

conditions including but not limited to, corrosive chemicals, ash, fumes or condensates or harmful substance generated within or about the building(s) or fixture(s) to which the Product has been applied;

(c) any damage to the Product has been caused as a result of the negligence or misuse of the Product by the claimant.

(d) any modification to the specification of the Product has been made, save and except where any modification is reasonably necessary in adopting the Product to size.

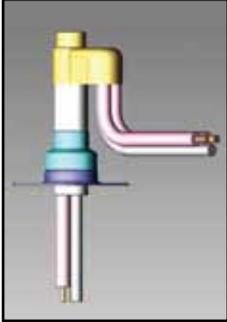
(f) defects are a result of acts of God or other external forces, including but not limited to, failure to provide free drainage of water from around the areas in which the Product has been installed.

3. To the extent permitted by law, this warranty is given in lieu of all other warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. Where so permitted, the remedies stated herein are exclusive remedies and DLM shall not be responsible for any indirect, consequential or incidental damages or further loss of any kind whatsoever except as expressly provided by in this Warranty.

Top Hat Roof Penetration Kit

For use with air conditioning units, heat pumps & solar panels

Top Hat Roof Kit



Compliant Penetration



Code

Size (mm)

RF PN 50

50

RF PN 65

65

RF PN 65 Twin

65 Twin

RF PN 110

110



For other options on solar penetrations refer to Dektite premium solar products on page 2.

Installation Instructions:



Position the PVC tube. Fix it to a batten or rafter.



Fit the Dektite flexible flashing as per the installation instructions.



Slide the PVC cover flashing into position and glue/

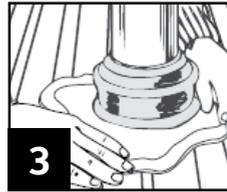
Twin 65 Cap



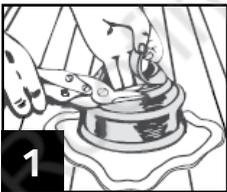
Install all pipe work and secure the cap with stainless steel self tapping screws.



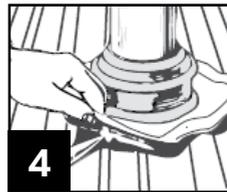
For more effective drainage always fit the Dektite on the Diamond as shown.



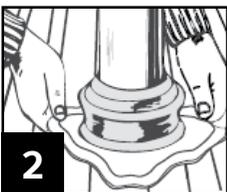
Press base to the roof profile by hand, smooth out any awkward creases. Don't fully extend to allow for vibration.



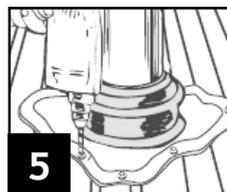
Cut a neat hole in the roofing sheet with minimum clearance for pipe and insert pipe through hole. Trim the cone to suit pipe size using sharp tin snips (where necessary, support cut sections of sheet with additional timber framing).



Apply a neutral cure silicone sealant by turning back the flexible flange (refer to page 13 for silicone types).



Slide Dektite flashing down over pipe. Lubricating the pipe with water allows the pipe to slide snugly into position.



Fasten using class 4 coating washered screws. Fit fasteners progressively outward in opposing pairs to avoid gaps.

Sheet Lead and Acrylead

Time proven reliability



- ✓ Conforms to AS/NZ1804 – 1976
- ✓ 50 year Warranty (on base metal)
- ✓ Extremely malleable
- ✓ Proven quality and performance

DLM Sheet Lead

- Sheet Lead is the softest of all the common metals, it is extremely malleable; it is capable of being shaped to most profiles at ambient temperatures.
- Sheet lead is a tried and proven product in the construction industry for hundreds of years, mainly used as weatherings and flashings.
- The most important feature of any well designed roof is the flashing detail. The use of Sheet Lead will ensure that quality and performance are not compromised.
- DLM Sheet Lead is ideal for applications of Radiation shielding, sound proofing, chimney flashings lead slate for pipe penetrations, apron and abutment flashing, canopies and projections, curved parapets, windows and door flashings.

Range of thickness and weight

Weight (Kg/m ²)	Nominal Thickness (mm)	Typical Uses
6	0.50	Strip edge for metal flashing, sound proofing.
12	1.0	Sound and radiation proofing.
17	1.50	Apron and cover flashings, hip and ridge flashings, pitched valley gutters, lead slates, chimney flashings and weatherings to cornices, parapets etc. Full roof cladding.
20	1.80	
25	2.25	
30	2.65	Parapet, Box and tapered gutters or situations that demand extra length.
35	3.15	
40	3.55	

DLM Acrylead

- Acrylead has a factory applied thermo baked acrylic primer coating on both sides of the sheet. The process developed by DLM inhibits the contact of water runoff with the lead and its oxides, reducing the potential of the run off staining adjacent materials, and entering ground water systems.
- Acrylead allows you to improve the look of exposed flashings by finish coating of your choice to match roof or surrounding trim colours.

Recommended maximum sizes of individual pieces of lead for all applications

Weight (Kg/m ²)	Maximum Length (mm)	Maximum overall girth (mm)
17	1300	600
20	1500	750
25	2000	800
30	2250	850
35	2500	900
40	3000	1000

E2 / AS1 Compliance

- DLM Sheet Lead and Acrylead are the only apron/abutment flashings that can meet and exceed the 50 YEAR WARRANTY offered by Concrete, Clay, and Slate Tile Manufacturers and is a must for compliance with E2/AS1.

Standard Roll Sizes

- Sheet Lead 150, 300, 450, 600mm available in both 3m and 6m rolls. 750 and 900mm in 3m rolls.
- Acrylead 150, 300, 340, 375, 450, 600mm available in 6m rolls.

FLASHGUARDz

The superior edge flashing

- ✓ Compatible
- ✓ Paintable
- ✓ Extremely malleable.
- ✓ Very quick to install.
- ✓ Weatherproof and birdproof.
- ✓ Available in most popular Colour Steel fashion colours.



FLASHGUARDz is a soft edged roof weatherseal flashing, for lock seaming to Zinalume, Galvanised, Aluminium and Zinc roof flashing sheets. This unique product will expand and readily shape snugly to the contours of the roofing profile.

FLASHGUARDz is suitable for installation over pressed metal tiles, long run corrugated and trapezoidal roofing profiles, which do not exceed 32mm in height.

Description

FLASHGUARDz comprises an expandable aluminium strip with a specially formulated synthetic compound, bonded to the underside. The black synthetic compound provides a weather sealing membrane on the underside of the aluminium strip. It will not harden, shrink or melt within the service temperature range of between -40°C and $+90^{\circ}\text{C}$ and contains only 1% carbon black by weight. A layer of soft paper is applied to the underside of the rubber to prevent it sticking to the roll formers machinery and to provide protection when handling.

FLASHGUARDz is available in 75mm for trapezoidal profiles, 63mm width for both trapezoidal and corrugated profiles and 43mm width for corrugated and very low profiles.

Available in the most popular roofing fashion colours + etched primed finish

3 sizes available - 43mm, 63mm and 75mm

Extremely malleable - FLASHGUARDz is so easy to install, it can be dressed down using finger pressure only, so there is no need for special tools. There is no need for hammering into roof profile, no need for cutting or forcing into shape and hence no risk of scratching, denting or paint damage to the roof.

Very quick to install - Because of the ease of fitting FLASHGUARDz, reduces installation time will result in major savings in labour costs.

Weatherproof & birdproof - The special rubber backing provides a weather sealing membrane with excellent stretch characteristics and resistance to moisture. FLASHGUARDz perfectly hugs the contour of the roof profile, preventing birds from gaining access.

Compatible - Compatible with zinalume, aluminium, galvanised steel and Zinc roofing materials.

Paintable - FLASHGUARDz is available etch primed, ready for top coating in any other roofing colour not currently in the range.



Installation & Handling

1. Fold the FLASHGUARDz out by hand, using minimal force. Do not remove paper backing.
2. As is normal trade practice, ensure that on the top edge of the longrun sheets, the pans are "turned up" to provide a stop end.
3. Affix the flashing to the roof before dressing FLASHGUARDz into the roof profile.
4. Dress the lower edge of the FLASHGUARDz into the roof profile, using finger pressure only.

Start from the centre of the pan and work towards the ribs on either side.

Maintenance

The paint coating should be maintained for the duration of the life of the roof. Normal rain washing will remove most of the accumulation of dirt and salt. It is recommended, however, that FLASHGUARDz should be cleaned with a soft bristle nylon brush and clean water at least once a year, and more often in severe environments. When installed correctly and maintained, FLASHGUARDz satisfies the 15 years durability requirement of the NZ Building Act. Painting FLASHGUARDz after installation will extend the durability up to 30 years.



Plascourse DPC

An effective moisture barrier



- ✓ Plascourse may be used as a damp course in brick or block work.
- ✓ Plascourse may be used as a concealed flashing under timber, window frames or door frames.
- ✓ Plascourse may be used when separation between different materials is required.
- ✓ Plascourse **MUST NOT** be used in applications where it is exposed to direct sunlight.

An effective moisture barrier for use as a dampcourse material and concealed flashing.

Plascourse is a thick, high impact low density black polyethylene strip with an embossed surface on both sides that reduces slippage in use.

Plascourse will provide an effective moisture barrier for use as a dampcourse material and also as a concealed flashing.

Plascourse is manufactured to Australian and New Zealand Standard 2904 - 1995

Plascourse meets the test requirements for impact resistance AS/NZ 4347.6

Plascourse is embossed both sides with dimensions between 3mm - 10mm maximum in both machine and transverse direction and it's thickness is measured in accordance with AS/NZ 4347.9

Stop Leak Flashing Tape

All purpose weatherproof sealing tape

- ✓ Permanent seal
- ✓ Easily molded in to place.
- ✓ Paintable
- ✓ Adheres to most substrates.
- ✓ Six sizes available.
- ✓ Handy pack range.

Stop Leak Flashing Tape is aluminium foil coated with thick rubber/bituminous adhesive for weathersealing joints and seams.

Uses include repairs to roofing, guttering, downpipe or water tank tops, sealing joints around skylights, doors or adjoining building surfaces and weathersealing seams in caravans, trucks, toolsheds etc.

Stop Leak Flashing Tape is paintable and one of the most versatile repair tapes available.



Installation Instructions:

1. Clean and dry surfaces prior to applying Stop Leak Flashing Tape.
2. If surface is porous or crumbling, prime with a bitumen primer.
3. Stop Leak Flash Tape may be cut with a knife or scissors.
4. Apply Stop Leak Flash Tape to substrate, smooth down and mould in place.
5. Overlap adjoining strips by a minimum of 25mm.
6. In cold temperatures Stop Leak Flash Tape may be warmed to aid adhesion.

Sizes available:

Handy Pack

50mm x 3m
75mm x 3m

Rolls

50mm x 10m
75mm x 10m
100mm x 10m
150mm x 10m
200mm x 10m
300mm x 10m

