

DEKTITE COMBO

FOR TRADITIONAL OR RETROFIT/WRAP AROUND APPLICATIONS

Product Description:

Dektite Combo flashings offer a versatile flashing solution for pipe and flue penetrations through profiled metal roof and wall claddings. They consist of a durable flashing cone manufactured of black EPDM, with an integrated malleable aluminium flange that easily moulds to most metal roofing profiles.

They can be installed over the top of the pipe, or on difficult to access or existing penetrations, they can be cut, slid around the pipe, and then resealed with the aluminium clips supplied.

Scope of use:

Dektite Combo flashings can be used to flash pipe and flue penetrations through profiled metal roof and wall cladding, for penetrations ranging in size from 5mm-750mm, on roof pitches from 0°-40°.

Common applications include flashing fireplace flues, range hood and extraction vents, terminal vents, PV solar panels and solar hot water heaters, fall protection systems, signage and commercial service frames and more.

Relevant building code clauses

- B2 Durability – B2.3.1 (b)
- E2 External Moisture – E2.3.1, E2.3.2
- F2 Hazardous Building Materials – F2.3.1

Contribution to code compliance

[B2 Durability – B2.3.1 \(b\)](#)

When installed in accordance with DLM Wallace literature and NZBC E2/AS1, Dektite Combo flashings will provide durability of at least 15 years.

Dektite Combo flashings carry a 20 year warranty.

Dektite flashings have an in-service history in New Zealand of over 30 years.

[E2 External Moisture – E2.3.1, E2.3.2](#)

When installed in accordance with DLM Wallace Literature and NZBC E2/AS1, Dektite Combo flashings will contribute to satisfying these performance requirements on NZBC E2.

Dektite Combo flashings comply with figures 53 & 54 of NZBC E2/AS1.

[F2 Hazardous Building Materials – F2.3.1](#)

Dektite Combo flashings are safe when handled and are a non-hazardous material. There is no requirement for this product to comply with acceptable solution F2/AS1.

Composition:

Dektite Combo flashings consists of a flashing cone made of black EPDM, with an integrated malleable aluminium flange that easily moulds to most metal roofing profiles, providing a watertight seal.

The have an integrated seam down one corner of the flashing which can be cut and resealed with the provided aluminium clips, for retrofit/wrap around installations.

Standards:

Dektite Combo black EPDM flashings are tested to the below standards.

Property	Conditions	Method	Requirements As per IAPMO PS 64 -12	Result
Ultimate Elongation of Rubber	Die C	ASTM D412	Min. 210 % Elongation	Complies
Split Tear Strength of Rubber	Die C	ASTM D624	Min. 0.25 kN/m (EPDM), Min. 0.17 kN/m (Silicone)	Complies
Water Absorption of Rubber	48 hrs @ 158°F	ASTM D471	Max. change 5% by volume	Complies
Ozone Resistance of Rubber	72 hrs @ 104°F & 50 pphm Ozone	ASTM D1149 and D1171	No visible cracks	Complies
Low Temp. Brittleness of Rubber	Non-brittle 3 minutes @ -40°F, Method A	ASTM D2137	No brittleness	Complies
UV resistance of Rubber	UV: One cycle of 4 hrs @ 140°F. Condensation: 2000 hrs @ 122°F	ASTM G154	Max. 50% loss in Tensile Strength & Elongation	Complies
Rain Test for Flashing	Section 25	ANSI/UL 441	Pass	Complies
Temperature Test of Flashing	Section 19	ANSI/UL 441	Max. 90°F above the room temp.	Complies
Horizontal Burning Test / Flame spread of Flashing	Section 7	UL 94	Max. 75 mm/min	Complies

Limitations:

- Black EPDM temperature range: -50°C to 115°C, and up to 150°C intermittently.
- Suitable for roof pitches 0-40°.
- Not for use on concrete tile roofs (refer Deks Tileflash Aluminium, Deks Rapid Flash, Tileflash Lead).
- Not for use on asphalt shingle roofs (refer Dektite Shingle Flashings).
- Not for use on membrane roofing (refer to membrane roofing supplier for guidance).

Range:

ITEM NUMBER	DESCRIPTION
*DC101BC	COMBO #1 BLACK 5-60MM
*DC102BC	COMBO #2 BLACK 45-85MM
*DC103BC	COMBO #3 BLACK 5-127MM
*DC104BC	COMBO #4 BLACK 75-175MM
*DC105BC	COMBO #5 BLACK 108-190MM
*DC106BC	COMBO #6 BLACK 125-230MM
*DC107BC	COMBO #7 BLACK 150-280MM
*DC108BC	COMBO #8 BLACK 175-330MM
*DC109BC	COMBO #9 BLACK 240-508MM
*DC110BC	COMBO #10 BLACK 400-750MM
*DCS103BC	COMBO #3 BLACK - SQUARE PIPE - 20-125MM

Installation Requirements:

- When installing Dektite Combo flashings on profiled metal roofing, consideration must always be made of the ability for water to flow and drain freely down the roofing profile.
- Direct fixing of Dektite Combo flashings to the roof sheet is pitch, penetration size and location sensitive. Refer to E2/AS1, figures 53 & 54, and New Zealand Metal Roof Manufacturers Code of Practise V3.0: 9-5 for further guidance.
- The flashing shall be installed on the diamond bias, so that the seam faces down the roof face.
- Under the perimeter of the aluminium flange, apply a thick bead of neutral cure 100% silicone.
- Dektite Combo flashings should be mechanically fixed to the roof sheet or pan flashing with either sealed blind rivets or neoprene washered tek screws. Ensure that the fasteners used are compatible with the roofing material in use, and the exposure zone of the building.
- When flashing pipes or flues with a vertical seam or join, run a bead of neutral cure 100% silicone from the top of the pipe/flue down to the neck of the Dektite Combo flashing.
- When retrofitting, cut the seam and slide the Dektite Combo around the penetration, then re-fix the seam with silicone and the supplied aluminium clips.

Maintenance Requirements:

As with all roofing material, Dektite Combo flashings should be kept clean and free of moss, mould, lichen and debris.

Warning and Bans:

Dektite Combo flashings are not subject to warning or ban under section 26 of the Building Act 2004.



Place of Manufacture:

Overseas

Distributor Details:

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