

DLM WALLACE LEAD SHEET /ACRYLEAD

Product Description:

DLM Wallace Lead Sheet & Acrylead consist of virgin lead of at least 99.8% purity, machine cast in to sheet form of various dimension and thickness.

Acrylead has a factory baked acrylic primer coating which inhibits the contact of water with the lead and its oxides, greatly reducing lead run-off which can cause staining on surrounding roof materials such as tiles.

Lead Sheet & Acrylead are soft and malleable, making them a versatile flashing material. They offer strong resistance to corrosion and UV degradation, offering unparalleled longevity of service.

Scope of use:

Lead Sheet & Acrylead are used as a flexible weatherproof flashing to drain or deflect water back outside roof and wall cladding systems.

They are commonly used for flashing concrete, clay and slate tile roofs, for buildings described in Table 1 of NZS 3604:2011, and NASH Standard Part 2: May 2019- 1.3.1.

Relevant building code clauses

- B2 Durability – B2.3.1 (a)
- 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 (a)

When installed in accordance with DLM Wallace literature and NZBC E2/AS1, Lead Sheet & Acrylead will provide durability of no less than 50 years.

DLM Wallace manufactured Lead Sheet has an in-service history in New Zealand of over 100 years.

E2 External Moisture – E2.3.1. E2.3.2

When installed in accordance with DLM Wallace Literature and NZBC E2/AS1, Lead Sheet & Acrylead will contribute to satisfying the these performance requirements on NZBC E2.

DLM Wallace Lead Sheet & Acrylead (17kg/m² grade and above) meet the requirements of NZBC E2/AS1 4.3.1.

DLM Wallace Lead Sheet & Acrylead is manufactured in accordance with AS 1804:1976 (Soft Lead Sheet and Strip).

F2 Hazardous Building Materials – F2.3.1

Prior to working with DLM Wallace Lead Sheet & Acrylead, installers and handlers should familiarise themselves with the health and safety guidelines offered in the DLM Wallace Lead Sheet & Acrylead Material Safety Data Sheet.

Standards:

DLM Wallace Lead Sheet & Acrylead is manufactured in accordance with AS 1804:1976 (Soft Lead Sheet and Strip).

Composition:

DLM Wallace Lead Sheet & Acrylead consist of virgin lead of at least 99.8% purity, machine cast in to sheet form of various dimension and thickness. Acrylead has a factory baked acrylic primer applied to both sides of the sheet, which minimises run-off of lead oxides.

Limitations:

- Material compatibility must be considered when specifying and installing DLM Wallace Lead Sheet & Acrylead.
- Lead Sheet & Acrylead must not be used in contact with zinc-aluminium coated long-run steel or zinc-aluminium coated pressed metal tiles.
- Refer to NZBC E2 AS1, Table 21- Compatibility of materials on contact.
- Refer to NZBC E2 AS1, Table 22 – Compatibility of materials subject to run-off.
- Due to thermal expansion and contraction, individual pieces of Lead Sheet & Acrylead must not exceed the dimensions listed in the table below;

MAXIMUM SIZE OF INDIVIDUAL PIECES OF LEAD FOR ALL FLASHING APPLICATIONS		
WEIGHT (KG/M2)	MAXIMUM LENGTH (MM)	MAXIMUM GIRTH (MM)
17	1300	600
20	1500	750
25	2000	800
30	2250	850

Installation Requirements:

DLM WALLACE LEAD SHEET & ACRYLEAD GRADES FLASHINGS MUST BE A MINIMUM OF 17KG/M2		
NOMINAL WEIGHT KG/M2	NOMINAL THICKNESS MM	TYPICAL USES
6	0.5	Sound proofing
12	1	Sound proofing, radiation shielding
17(Plain sheet and Acrylead)	1.5	Apron and cover flashings, hip and ridge flashings, lead slates, chimney flashings and weatherings to cornices, parapets, full roof cladding, sound proofing, radiation shielding
20	1.8	
25	2.2	
30	2.6	Parapet, box a tapered gutters, or situations that demand extra length

- Lap cover between individual sheets/pieces must be a minimum of 100mm (Refer NZBC E2/AS1- 4.5.2 (f))
- Parallel flashings must be dressed down in to the tile pan, and have a minimum cover of 150mm, with a minimum upstand of 100mm (75mm minimum upstand behind cladding). Refer NZBC E2/AS1- Figure 26.
- Transverse flashings must have a minimum cover of 150mm over the tile, and have a minimum upstand of 100mm (75mm minimum upstand behind cladding). Refer NZBC E2/AS1- Figure 26.
- Flashings should be designed so that while the lead is in position, free thermal movement is not restricted.
- Nails, screws and fixings should have a similar life expectancy, and thus should be copper, or stainless steel.
- When forming and shaping lead, caution must be taken to not over-stretch the lead, which can create thin areas with reduced integrity.

Maintenance Requirements:

To reduce the risk of run-off staining surrounding materials, a patination oil should be applied to un-painted lead sheet as soon as possible after fixing.

Acrylead should be over painted with a quality acrylic external house paint and this coating should be maintained.

As with all roofing material, Lead Sheet & Acrylead should be kept clean and free of moss, mould, lichen and debris.

Warning and Bans:

DLM Wallace Lead Sheet & Acrylead is not subject to warning or ban under section 26 of the Building Act 2004.

Place of Manufacture:

Auckland, New Zealand.

Distributor Details:

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