Leadax Original Flashing®

The world's most sustainable lead replacement with the look and feel of traditional lead

Product No. 39.3": 25106000, 19.7": 25106500

World's First Lead Replacement

APPLICATIONS

1. Walls and Casings
2. Chimney
3. Step Flashing
4. Dormer
5. Extension
6. Valley and ridges

EASY TO APPLY

LIGHTWEIGHT

EXTREMELY STRONG

CIRCULAR

NON-TOXIC

Product Description

Leadax Original flashing is the world's first lead replacement with the same look and feel of a traditional lead sheet. It is applied like lead, malleable like code 3 lead, and as strong as code 5 lead. Leadax Original is as strong as traditional lead, yet is very thin (118 mils) and 5x lighter than traditional code 5 lead weighing just 0.80 lb/ft² (3.85kg/m²).

MATERIALS

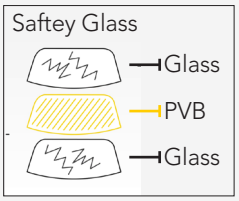
Manufactured lead flashing replacement using recycled PVB (polyvinyl butyral, safety foil in glass) as its primary raw material. It can be 95% recycled after its useful life.

Compatibility

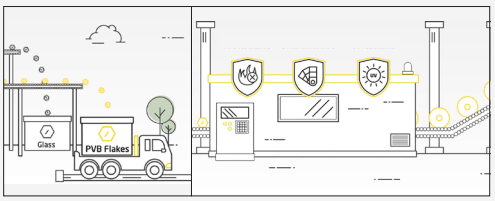
All types of roof materials; EPDM, bitumen, plastics, and metals.

Our Sustainable and Circular Story

Reclaim safety glass



Extract out PVB-foil



Using PVB flakes as raw materials, manufacture Leadax Original

Worlds first circular lead replacement
Non-toxic, Malleable, and Lightweight

Reclaim and recycle for new Leadax products

BENEFITS

Installs and works like traditional lead flashing

Extremely malleable, easy to shape around flashing areas and form sills using hands and/or tools

Withstands all weather conditions and temperature changes, no expansion and contraction, contains no heavy metals

Ideal application temperature is 40°F (5°C), below freezing -4°F (-20°C) is possible.

Installation friendly, nominal 20' (6m) rolls, in 2 widths: nominal 39", 20" (100cm, 50cm)

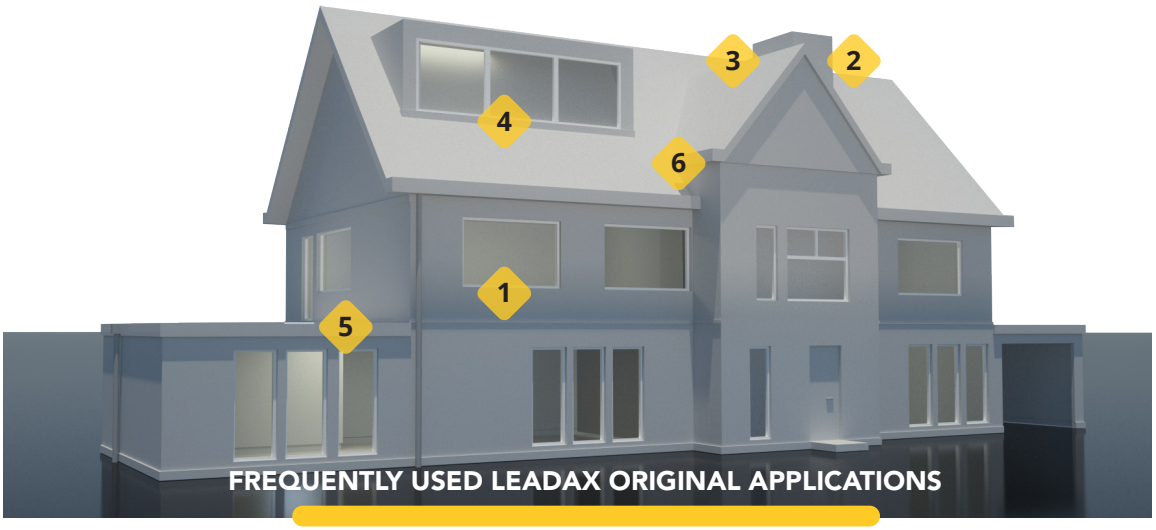
Installs up to 19.7ft (6m) without needing an overlap, when required, 3"(80mm) overlaps can be sealed using hot air or High-Tack Hybrid Adhesive, seams can also be welded and rolled

Compatible accessories available; scissors, lead dresser, pressure roller, High-Tack Hybrid Adhesive

Easily removed, recycled and reclaimed for new Leadax products

PRODUCT DATA SHEET

Leadax Original Flashing Part No.: 25106000, 25106500



1 WALLS AND CASINGS

Leadax Original can be used as a water barrier in (cavity) walls and under casings.

2 CHIMNEY

Leadax Original can be used at the intersection between chimney bases and roof tiles.

3 STEP FLASHING

Leadax Original can be used at chimney flashings to provide a water barrier.

4 DORMER

Leadax Original can be applied to the base of dormers and skylights as a waterproofing layer at the joint between dormer side walls and tiled roofs.

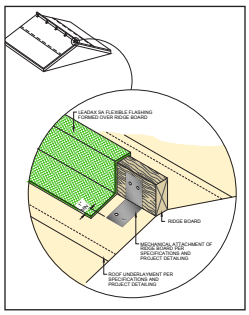
5 EXTENSION

As a watertight connection between an outside wall and an extension.

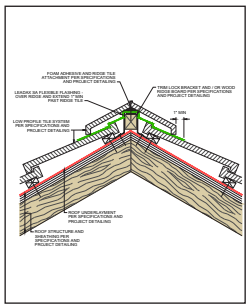
6 VALLEY AND RIDGES

Leadax Original can be used as valley gutters and waterproofing on the ridges of (tiled) roofs.

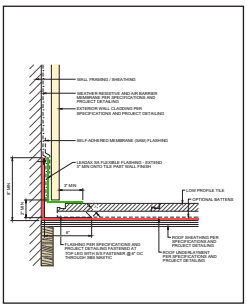
Detail Library



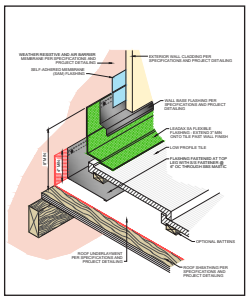
Hip/Ridge Support



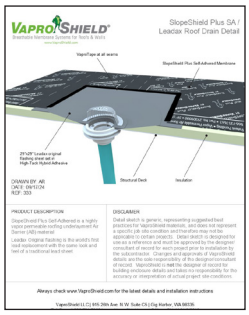
Tile Ridge Multiple Profiles



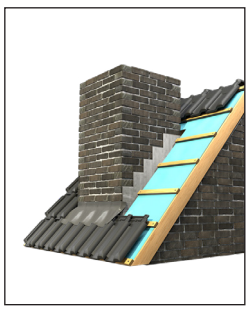
Roof to Sidewall Multiple Profiles



Roof to Headwall



Roof Drain Detail



Chimney Flashing

Through-Wall Flashing

Sill Pan Flashing

Scan to view all Original Details

Installation

PREPARATION

The ideal installation temperature is from 41°F (5 °C) and rising.

Product can be installed in temperatures as low as -4°F (-20°C), however forming Leadax Original flashing could be more difficult.

Ensure surface is dry and free of grease and dust before applying Leadax Original flashing.

BEST PRACTICE INSTALLATION

Installs up to 19.7ft (6m) without needing an overlap.

Overlaps must be a minimum of 3.1" (80mm) and sealed with hot air or High-Tack Hybrid Adhesive.

After application, remove the protective film from the face and reverse.

Product Offering

Leadax Original Flashing Roll

Roll Dimensions: 39.3" x 19.7' (100cm x 6m)

Roll Weight: 39.3" 51 lbs (23.2 kg)

Part No.: 25106000

Roll Dimensions: 19.7" x 19.7' (50cm x 6m)

Roll Weight: 19.7" 25.5 lbs (11.6 kg)

Part No.: 25106500

Single Roll

118 mils (3.0mm) thick

High-Tack Hybrid Adhesive

Part No.: 60509599

Advanced polymer sealant formulated to provide superior adhesion, excellent resistance to weathering and is compatible for use with a variety of substrates. Supplied in plastic tubes with screw-on nozzles.

Cartridge Size: 10.1 fl. oz. (298 mL)

Leadax Scissors

Part No.: 29000210

Quickly and easily cut Leadax Original flashing to size with a pair of specialty designed Leadax scissors.

Leadax Dresser

Part No.: 29000230

Leadax Original flashing can be molded with a lead dresser.

Steel Pressure Roller

Part No.: 29000220

Mold Leadax Original flashing around roof tiles or difficult details. The steel pressure roller is a simple tool to ensure you get the best finish.

VAPROSHIELD®
Breathable Membrane Systems for Roofs & Walls

PHYSICAL PROPERTIES	
PROPERTY	RESULT
Color	Grey
Thickness	118 mils (3.0mm)
Roll Dimensions	39.3" x 19.7' (100cm x 6m) 19.7" x 19.7' (50cm x 6m)
Roll Weight	51 lbs (23.2 kg) 25.5 lbs (11.6 kg)
VOCs	None
Minimum Application Temperature	minus 4°F (minus 20°C)
Service Temperature	minus 58°F - 212°F (minus 50°C – 100 °C)
Warranty	10 years

TESTING DATA			
PROPERTY	STANDARD	MEASUREMENT UNIT	RESULT
Dimensions			
Mass	EN-1849-2	Kg/m²	3.85 ± 10%
Dimensional Stability	EN 1107-2	%	0.0
Functional Properties			
Water tightness	EN 1928-B	kPa	≥ 500
Water absorption	M.O.A.T 66	%	1.06
Water tightness of joint (Hot Air) 10 kPa	M.0.A.T27		Pass
Water tightness (After 2400 hrs. UVB Test)	EN 1928-B	kPa	≥ 500
Water Vapor Transmission	EN 1931	g	$5.26.10^{-8}$ $kg.m^{-2}.s^{-1}$
Water Vapor Transmission after thermal aging	EN 1296 + EN 1931	g	$5.26.10^{-8}$ $kg.m^{-2}.s^{-1}$
Mechanical Properties			
Tensile properties:			
Lap Adhesion	ASTM D1876 Standard Test Method for Peel		437 N/m (2.5 pli)
Maximum tensile force length direction	EN 12311-2	N/50 mm	500 ± 50
Maximum tensile force width direction	EN 12311-2	N/50 mm	1000 ± 50
Elongation at break length direction	EN 12311-2	%	80 ± 20
Elongation at break width direction	EN 12311-2	%	15 ± 5
Tear resistance length direction	EN 12310-1	N	400 ± 50
Tear resistance width direction	EN 12310-1	N	400 ± 50
Static loading (Method B)	EN 12730	kg	≥ 20
Impact resistance (Method B)	EN 12691	mm	≥ 2000
Hail resistance (Hard Support)	EN 13583	ms^{-1}	44
Resistance to peel (Concrete)	M.O.A.T 66	N/50 mm	162
Resistance to peel (Concrete) after thermal aging at 80 °C, 12 weeks	M.O.A.T 66	N/50 mm	143

TESTING DATA			
PROPERTY	STANDARD	MEASUREMENT UNIT	RESULT
Low temperature foldability	EN 495-5	°C	≤ -70
Low temperature foldability after thermal aging at 80 °C, 12 weeks	EN 495-5	°C	≤ -70
Joint Strength Leadax Sealant			
Peel Resistance:			
Length direction	EN 12316-2	N/50mm	≥ 200
Width direction	EN 12316-2	N/50mm	≥ 200
Shear Resistance:			
Length direction	EN 12317-2	N/50mm	≥ 450
Width direction	EN 12317-2	N/50mm	≥ 950
Joint Strength Hot Air			
Peel Resistance:			
Length direction	EN 12316-2	N/50mm	≥ 300
Width direction	EN 12316-2	N/50mm	≥ 400
Shear Resistance:			
Length direction	EN 12317-2	N/50mm	≥ 500
Width direction	EN 12317-2	N/50mm	≥ 1200
Fire Behavior			
Reaction to fire	EN 13501-5		Class C
Compatibility			
Compatibility with bitumen	BRL 1511-1		Pass
Compatibility with PVC	BRL 1511-1		Pass
Chemical Resistance			
Chemical resistance to lime milk (Ca(OH)2)	EN 1847		Pass
Approvals			