

v-FLOW

Simulated lead valley gutters

THE
COST-EFFECTIVE
ALTERNATIVE TO
LEAD

- Complete range for all kinds of pitched roofs
- Proven life expectancy of 20 years plus
- Convincing simulation of traditional lead
- Light and easy to transport, handle and install
- Virtually maintenance-free
- Manufacture assured to BS EN ISO 9001: 2000
- BBA Certification (No. 07/4492)



FILON®

The cost-effective alternative to lead gutters

FILON's V-Flow valley gutters are manufactured from lead grey GRP (Glass Reinforced Polyester), to provide a cost-effective alternative to traditional lead roof gutters.

Suitable for all kinds of pitched roofs

V-Flow valley gutters can be used with clay or concrete tiles or slate roofs, as well as profiled GRP or metal roofs. Options are available for wet or dry fixing (with or without mortar).

Excellent long-term durability

UV protected surfaces provide V-Flow valley gutters with excellent protection against weathering and discolouration, with a life expectancy in excess of 20 years.

Easy to handle and install

At a fraction of the weight of lead and supplied in convenient three metre lengths, V-Flow valley gutters are easy to transport and handle on-site. They are easy to cut and sufficiently flexible to allow for a variety of roof pitches.

Virtually maintenance-free

The UV inhibiting film applied to the surfaces of V-Flow valley gutters provides a secondary benefit: the restriction of mould and fungal growth which can impede water flow over time.

Manufacture assured to BS EN ISO 9001: 2000

FILON's stringent quality programme applied to the V-Flow manufacturing process, ensures consistent profiles and excellent colour matching.

A range to meet your needs

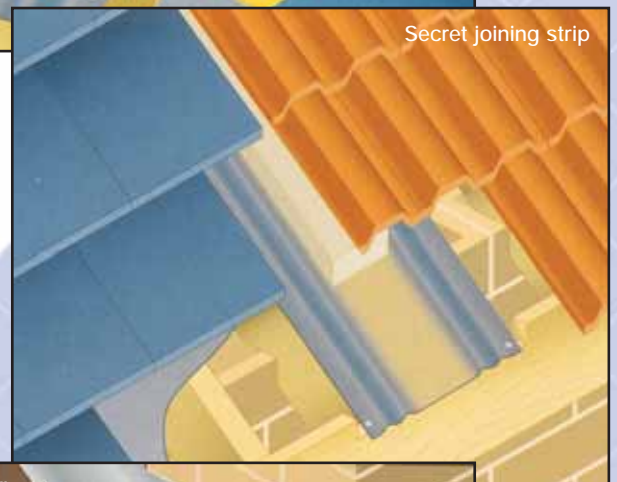
V-Flow valley gutters are available in a range of standard patterns (see opposite) to meet a variety of application requirements.

BBA Certification

V-Flow valley gutters carry BBA Certification No. 07/4492.

Availability

FILON's V-Flow range of valley gutters is available through selected distributors.



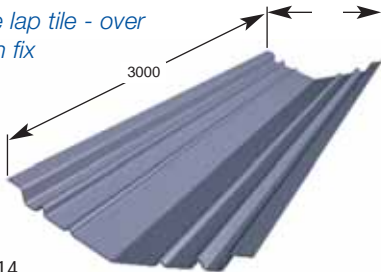


V-Flow valley gutters can be used with all kinds of tiles and slates, as well as profiled roofing systems.

The V-Flow range

Standard Valley Trough

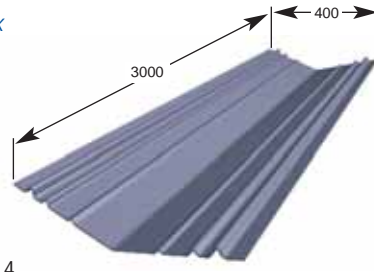
Single lap tile - over batten fix



GTB14

Standard Valley Trough

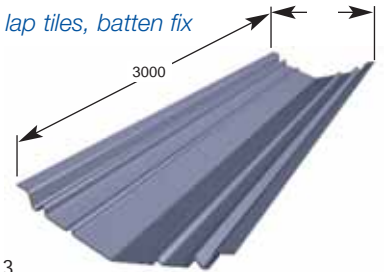
Flat fix



GTF14

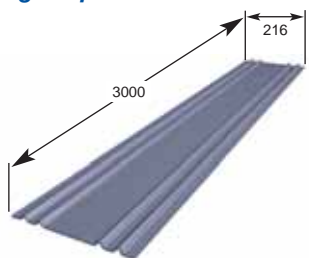
Narrow Valley Trough

Single lap tiles, batten fix



GTB13

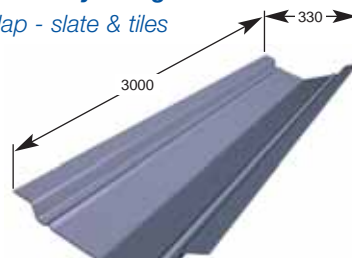
Secret Joining Strip



GJS1

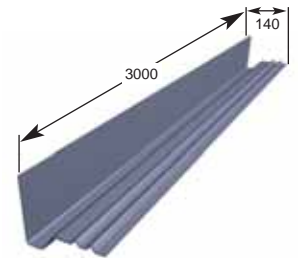
Standard Valley Trough

Double lap - slate & tiles



GSVT1

Soaker



GAS1

All dimensions in mm.

V-Flow Technical information

Durability

Approximate life expectancy under normal exposure conditions in Northern Europe is 20 years, but may remain structurally sound in excess of this period.

Working Characteristics

Lightweight and shatterproof. Can be cut or drilled with normal hand or power tools.

Finish

V-Flow Valley Gutters are supplied in a grey finish.

Handling and Storage

Appropriate care must be taken at all times when handling, storing and installing GRP roofing system components. Care must be taken to avoid damage to edges of sheets and trims. All GRP components should be stored under cover in dry conditions where possible. When stored in open conditions, components should be kept clear of the ground on timber battens or pallets and protected by opaque, waterproof covers.

Specification and Application

GRP components can be specified for warm or cold roof constructions in new build or refurbishment projects. They are suitable for use with most types of roof construction. The relevant components have been tested in accordance with BS 2782 and BS 4154 for GRP.

Sealants

Sealants can be used with GRP products. If in doubt, always seek advice as to the correct sealant.

Effects of Chemicals

Certain acids, alkalis and solutions of water soluble gases may attack GRP sheets and fixings. Where such conditions occur please contact your supplier.

Liquids

Water absorption: 50mg after 7 days
(BS2782: Part 4, Method 430A: 1983).

Biological

Resistant to attack by micro-organisms, fungi, larvae, insects and mildew. Wash with mild detergents to remove deposits.

Thermal Properties

Thermal transmittance

'U' value is dependent upon roof construction.

Thermal movement

Coefficient of linear expansion:

22×10^{-6} m/m per °C.

Effects of Sunlight

All polyester resins used in production of FILON GRP, as well as those used for laminating, are UV stabilised.

Compatibility

No chemical reaction with other established construction materials when fully cured.

Fire

Tested to: BS476 - Part 3 – SAB.

BS476 - Part 7 – Class 3.

For technical support please telephone 01543 687300.

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