THE SPEEDFLASH®

TECHNICAL DATA SHEET

1 General Characteristics

The revolutionary SpeedFlash® is designed to improve the speed and ease of solar installations on slate roofs. Ensuring a waterproof solution when fitting roofing slates around a roof bracket when installing solar photovoltaic, or other panels.

SpeedFlash® is very easy to install and enables you to do a high-quality job and leave the roof tidy, reliable and weatherproof.

The SpeedFlash® streamlines solar installations on slate roofs with a quick, no-drill through slate method that preserves roof integrity.

Ideal for 18"+ slates, it minimizes the need for slate removal.



Video link and Installation Guide

SpeedFlash Info - Genius Roof Solutions

SpeedFlash Instruction Booklet - Genius Roof Solutions

2 SpeedFlash® system kit content

Product Code: **SPF005**

Item	County of Origin	Commodity Code	Net Weight (Kg)	Main Material
SpeedFlash®	UK	39259010	0.2455	Polypropylene (92%)
Foam	UK	3921131090	0.0063	Fireflex T30
Shim (2off)	UK	44121000	0.0273	Plywood
Spring Support	UK	73209090	0.0035	316 grade marine Stainless Steel
SpeedFlash® Shield	UK	7226997093	0.236	1.2mm Galvanised Steel

3 Good to know

SpeedFlash® is compatible with 18" to 24" slates. SpeedFlash® can be used on 16" slates however due to the need to maintain a 3" head-lap, the working area will be reduced. This reduces the compatibility with certain brackets.

SpeedFlash® is not compatible with Pantile (wide plate) brackets, due to the width of the entry point into the SpeedFlash®.

The working area will allow for brackets with a maximum fixing plate height of approximately 80mm.

Plastic can be brittle in cold weather, do not attempt to bend during installation.

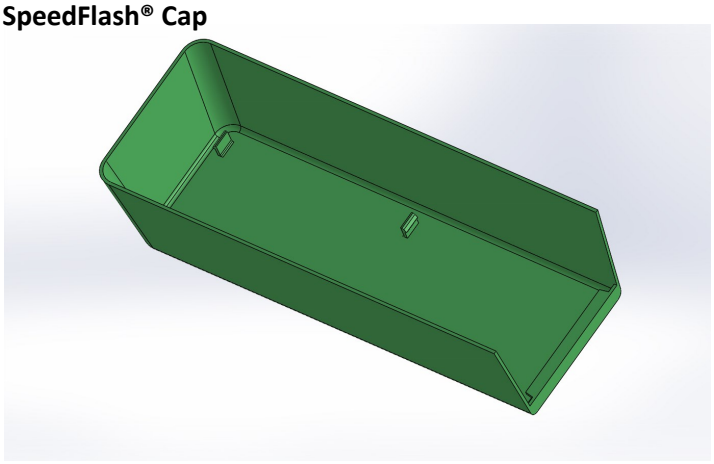
Use appropriate safety PPE. Foam must be used to seal the hood.

Genius Roof Solutions™
revolutionising roofs™

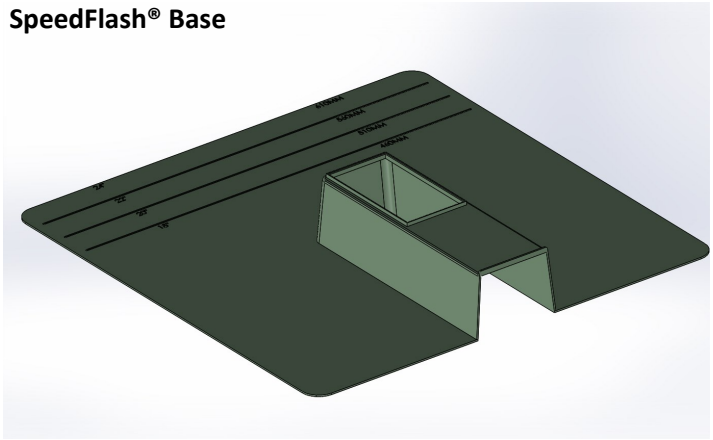
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4 SpeedFlash® Drawing

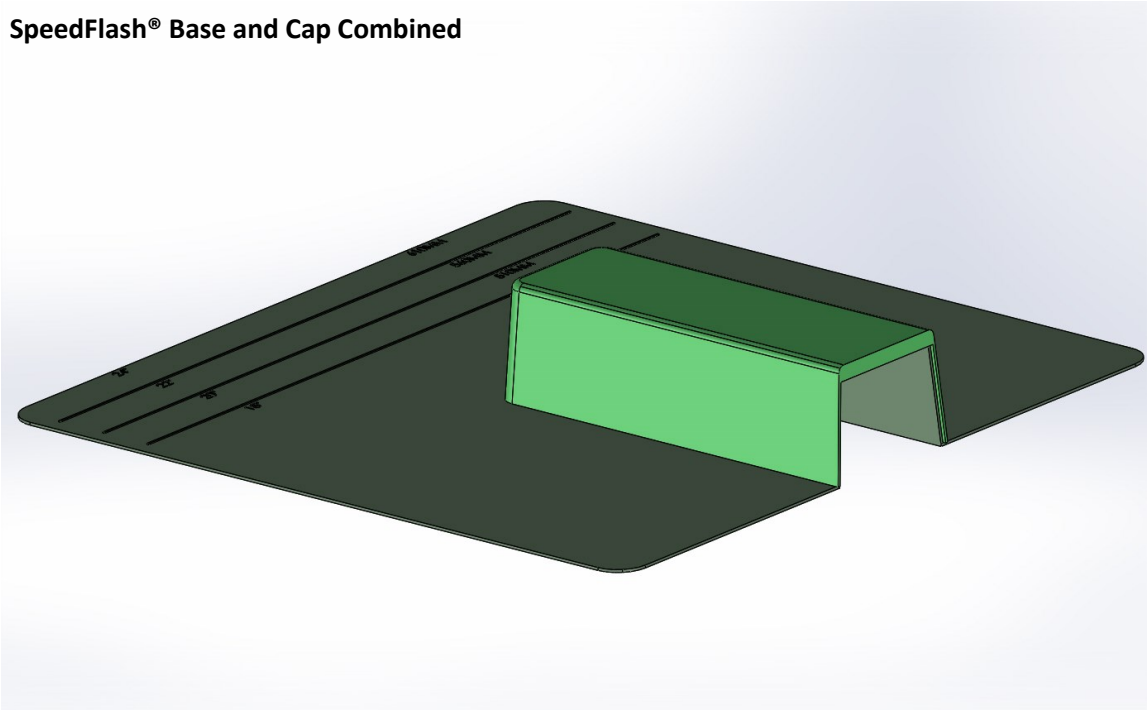
SpeedFlash® Cap



SpeedFlash® Base

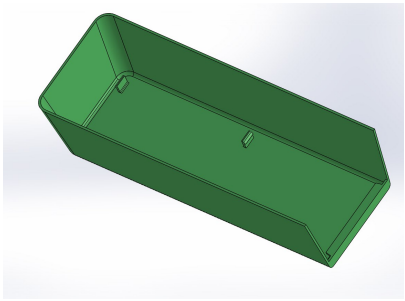
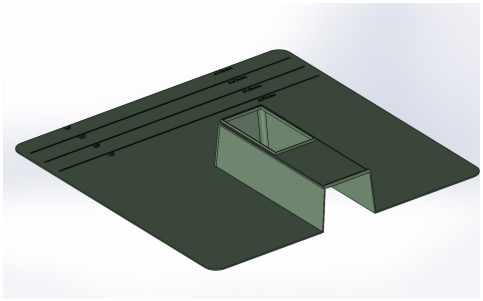
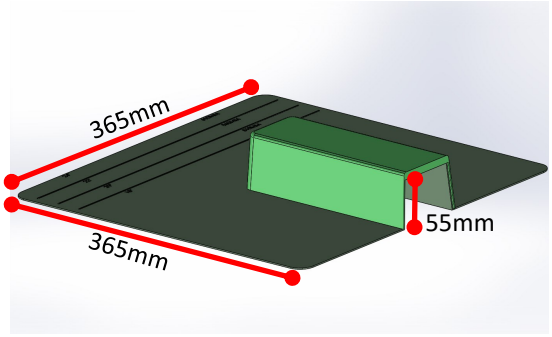


SpeedFlash® Base and Cap Combined



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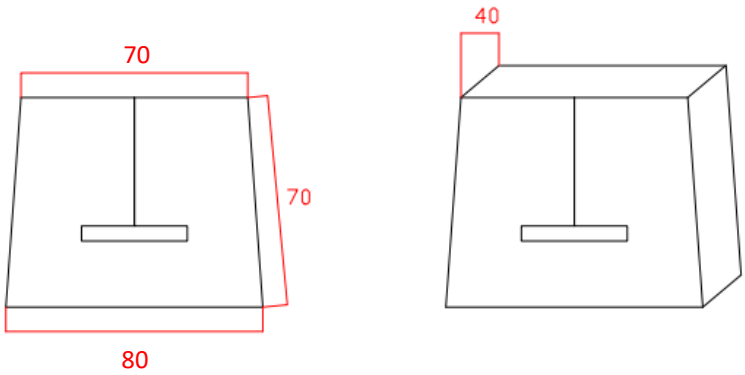
TECHNICAL DATA SHEET

5	**Technical specification:** SpeedFlash® cap & base	**GRS Product Code: SPF003 & SPF002**
	SpeedFlash®	 
	Dimensions	365 x 365 x 55mm 
	Net Weight (Kg)	0.2455
	Purpose	Waterproof solution to fitting slates around a roof bracket when installing solar photovoltaic, or other panels without the need for drilling.
	Supplier	Dee Bee Performance Plastics Ltd
	Material	Polypropylene with added carbon black, flame retardant and UV stabiliser.
	Standards and Building Regulations	BS 5534 Slating and tiling for pitched roofs and vertical cladding code of practice.
	Testing	Pending

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6 **Technical specification:** Foam **GRS Product Code: SFFOAM001**

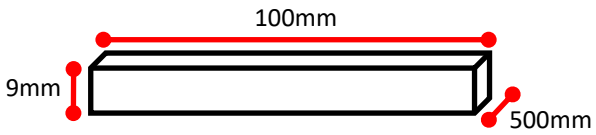
Foam	
Dimensions	Widest part 80mm narrowing to 70mm at bottom with depth of 40mm 
Net Weight (Kg)	0.063kg
Purpose	The foam is essential to seal the hood. The foam is designed with snow in mind, it is there to stop wind taking light snow into the roof.
Supplier	Recticel Flexible Foams
Material	FIREFLEX® T 30N is a polyether based foam with excellent fire resistant properties and acoustic performance.
Specification	Flexible PU foam targeting different noise reduction coefficient (NRC) ratings. It combines excellent sound absorption properties with good heat, humidity and chemical resistance.

Property	**Unit**	**Method**	**Value**
Net density	Kg/m³	ISO 845	26-29
Compression Resistance 40%	kPa	ISO 3386	2.6-3.8
Compression Set (50% compression)	%	ISO 1856/A	≤ 9
Cell diameter (Visiocell)	Micron	RECTICEL/T.013.4	740-1080
Flammability (thickness at 13mm—	Class	UL 94	HFI
TYPICAL VALUES			
Property	**Unit**	**Method**	**Value**
Elongation at break	%	ISO 1798	240
Tensile Strength	kPa	ISO 1798	110

Standards and Building Regulations	In combination with PU facings, it meets flammability ratings such as FMVSS-302 and UL94 HF-1.
Testing	Pending

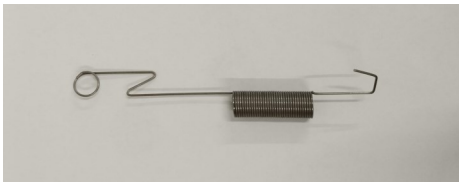
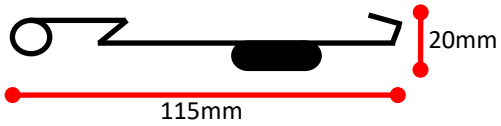
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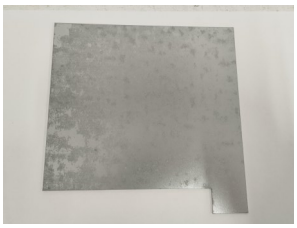
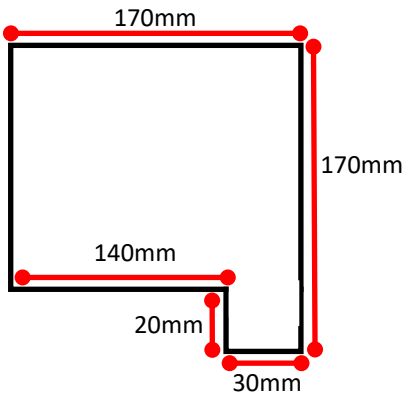
7	**Technical specification:** Shim	**GRS Product Code: SHI001**
	Shim	
	Dimensions	100 x 500 x 9mm 
	Net Weight (Kg)	0.0273
	Purpose	The shims are used to lift the roof anchor/bracket away from the slate underneath the bracket.
	Supplier	ASC Timber Supplies
	Material	Plywood/Ext Glue DOP-GD-E004 EN 13986 EN636-2S E1 FSC 100% Wood from well managed forests.

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8	**Technical specification:** SpeedFlash® Spring Support	**GRS Product Code: SPF001**
	SpeedFlash® support	
	Dimensions	115mm by 20mm 
	Net Weight (Kg)	0.0035
	Purpose	The SpeedFlash® Spring Support is used to keep the SpeedFlash® in place.
	Supplier	Protoform Springs & Pressings
	Material	316 grade marine Stainless Steel
	Testing	Pending

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9	**Technical specification:** SpeedFlash® Shield	**GRS Product Code: SPF008**
	SpeedFlash® Shield	
	Dimensions	Overall size: 170mm by 170mm 
	Net Weight (Kg)	0.236
	Purpose	The SpeedFlash® Shield is used to protect a specific area of the course below when cutting the top slate.
	Supplier	AK Stainless Ltd
	Material	1.2mm galvanised steel.
	Specification	The SpeedFlash® Shield does not remain on the roof - the shield is used as a tool. It is used to protect a specific area of the course below when cutting the top slate(s). The SpeedFlash® Shield is not a single use item, it can be used multiple times.

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