



Technical DATA

Scapa 3594

PVC Single Sided Foam Tape - Hard, White, Fire Retardant Waterseal to BS 476 Part 6 and Part 7 Class 1

DESCRIPTION

Scapa 3594 is primarily a foam compression sealant. The product is white. The foam is hard and predominantly closed celled. An acrylic pressure sensitive adhesive is coated on one side. The product has a paper release liner on the non-adhesive face. Scapa 3594 is a water, air and dust seal when compressed.

APPLICATIONS

- Forms a compression water seal.
- For preventing electrolytic corrosion.
- For cushioning and gap filling.
- For heavier duty applications.
- Forms a compression air / dust seal.

PRODUCT BENEFITS

- Minimum 30% compression required to effect a water seal.
- Service temperature: -30°C to +70°C.
- Application temperature: +10°C to +40°C.
- Exhibits a high degree of flame retardancy.
- Shelf life of 1 year from date of dispatch.
- Coated on one side with a high quality pressure sensitive, fire retardant acrylic adhesive.
- Good resistance to dilute acids and alkalis.
- Paper release liner on the non-adhesive face, reducing dimensional change during application.
- Very good ultraviolet {UV} light resistance.
- Resistance to abrasion, corrosion and moisture.
- Suitable for indoor and outdoor environments.
- No known hazards associated with this product.
- Pre-determined dimensional sealant reduces waste.
- Clean to use / clean edge finish.

Accreditation:

Fire rated to BS 476 Part 6: 1989 + A1: 2009 + C1: 2014 - fire propagation and to BS 476: Part 7: 1997 Class 1 - surface spread of flame.

Conforms to European Directive 2000/53 EC (lead, chromium VI, mercury, cadmium free).

TECHNICAL PROPERTIES

Technical Property	Nominal Value	Unit	Test Method
10 Minute 180° Peel Adhesion	5	N/25mm	Scapa F9
Force To Compress By 30 %	5.1	N/cm ²	Scapa F4
Compression Deflection After 1 Minute	4.3	N/cm ²	Scapa F4
Foam Density	250	Kg/m ³	Scapa F2
Shore Hardness {OO} Scale	45	"OO"	Scapa F16
Elongation at Break	>200	%	Scapa F17
Tensile Strength	>85	N/cm ²	Scapa F17
Thermal Conductivity (k)	0.052	Wm ⁻¹ K ⁻¹	Lee's Disc

STANDARD PRESENTATIONS

- Core: 76mm plastic
- Formats: Logs; Rolls; Spools
- Thickness : 3.0; 4.5 mm

Note:

RECOMMENDATIONS

The rolls should be stored flat on their cut edges in the original packaging. The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes. Storage temperature between +10°C and +30°C. Under these conditions, the shelf life of the tape is 12 months from the date of dispatch.

Surfaces should be clean, dry and free of dust, grease, oil or other contaminants.

Customers are recommended to make their own assessment of our products under their own conditions, for their own requirements.

This Technical Data Sheet (TDS) is provided by Scapa for information only. The contents of this TDS are considered to be reliable but accuracy is not guaranteed. The results shown in this TDS may not be relevant to all users of the product and it is the user's responsibility to determine the suitability of the product for its intended purpose. Scapa expressly disclaims all express or implied warranties including merchantability and fitness for a particular purpose to the fullest extent permitted by law and does not accept responsibility or liability (whether direct, indirect, or consequential) arising from use of the product or reliance on the TDS. Scapa does not exclude liability for death or personal injury arising from its negligence or fraud. Scapa refers to Scapa Group plc and its subsidiaries.