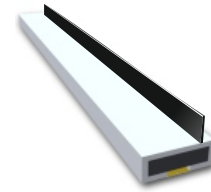


STS S-B-S

:14



At Sealed Tight Solutions we listen.

We listen not only to our customers but, to those tasked with the responsibilities of regulating our industry.

Having listened; we react - positively!

The superior features that set our STS FLAIR seal aside from its competition are now deemed "too good".

When undergoing a visual inspection, it was noted that the fin was difficult to spot in the leading edge of one of a pair of operational fire-doors.

In other words, the clear blade was "too clear".

In addition, the blade, positioned on the outer edge of the PVC box-section, could become misshapen should the frame deflect due the natural movement of timber as it shrinks and expands.

In many cases the condition of the timber is further compromised due to the questionable storage methods adopted by operatives when the doorsets are delivered to and stored on site.

The fall-out from recent, tragic events has redefined every sector within most, if not all, fire-related industries. The time for resting on one's laurels or becoming reliant on one's long-standing "former glories" is long past. The public now, more than ever, rely on forward thinkers and genuine innovators within our industry.

Whilst our STS FLAIR product was greatly received and widely used, some of its unique features required thoughtful modification. With this in mind we have re-evaluated and renovated our flagship product to ensure it remains operationally effective and is easily seen.

The blade in the S-B-S is now unambiguously, black and is positioned 3mm in from the product edge.

These adjustments ensure the blade is clearly visible when the product is in-situ.

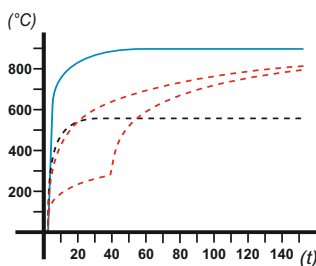
In addition, the blade is not susceptible to becoming misshapen should the timber frame shrink, expand or warp due to moisture content or adverse atmospheric conditions.

Parts of our industry still require subtle yet necessary changes..... The S-B-S is tested and available now.

fire, smoke & acoustic test data

All STS test data is sourced, supplied and verified by independent, UKAS-accredited test facilities.

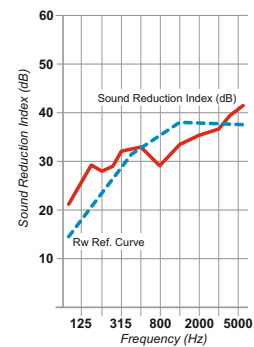
Tests conducted in accordance with all relevant British and European standards.



Approved Document 'B' (Fire Safety)
Approved Document 'M' (Access To and Use of Buildings)
BS 9999
BS 476: 22 - 1987
BS 8214 - 2008
BS EN 1634 - 1: 2008
BS EN 1634 - 3: 2004
BS 476: 31 - 1

Approved Document 'E' (Passage of Sound)
Building Bulletin 93 (Acoustic design in schools)*

* See also: "Acoustic Performance Standards for the Priority Schools Building Programme" including: "Technical Guidance Document TGD-021-5 Acoustic Performance in Schools"



Intumescent, Smoke & Acoustic

STS "SBS"

Product code	Size*	Standard lengths*	Material	Colour(s)*
STS 104SBS	10mm x 4mm	2100mm, 2400mm, 3000mm	Outer box section: PVC	● BROWN
STS 154SBS	15mm x 4mm	2100mm, 2400mm, 3000mm	Active product: Graphite Blade (SBS only): Butyl	● BLACK ● GREY ○ WHITE

* Others available on request. MOQ may apply.

** Fire, smoke & acoustic test data available on request.

Standard Operational Procedure > self-adhesive, intumescent products

All intumescent seals are fabricated with a film carrier, coated on both sides with a high shear, acrylic adhesive. One side is applied to the seal's PVC carrier, the other comes with a protective silicone liner tape which is peeled away prior to fitting the seal.

PREPARATION**Machining**

The pre-prepared groove should be slightly wider than the actual seal. For a standard 15mm X 4mm intumescent seal STS recommend a groove width of 15.5mm. This additional width provides sufficient tolerance for timber shrinkage, application of surface finishes, machining anomalies, etc.

Post-machining

All surfaces contacting the intumescent seal should be sound, clean, dry and dust-free.

NOTE

Proprietary cleaners may leave residues that have a detrimental effect on the self-adhesive tape.

FITTING

Cut the seal to size **BEFORE** removal of the protective tape.

Peel off the protective tape and ensure the adhesive does not contact fingers, other surfaces, other contaminants, etc.

Place the seal directly into the pre-prepared groove.

DO NOT REMOVE THE SEAL ONCE FITTED!

NOTE

The adhesive is **PRESSURE-SENSITIVE**. It requires firm, overall pressure to achieve a sound bond to the contact area. Maintaining the pressure for just a few seconds will greatly improve the bonding process.

If the frame has been primed, lacquered or painted, the surface **MUST** be **COMPLETELY** dry before the seal is fitted.

POST-FIT

Bond strength increases with time however, it is adversely affected by temperature, moisture and the nature of the bonding surface. Once installed, the exposed surface of the seal may, if required, be painted over.

Do not paint the flexible elements (fins/brushes) of combined acoustic, smoke and fire seals.

GENERAL

If surface materials and/or the self-adhesive tape are too cold the adhesive will harden, severely affecting the bonding process.

Apply the seals in temperatures above 10°C; ideally between 20°C - 30°C.

Properly applied, the seal will withstand extremes of cold and heat.

When storing, avoid extreme changes in temperature.

Condensation and humidity also have an adverse effect on the bonding process.

**THE ADHESIVE PROPERTIES OF THE PRODUCT WILL BE
SERIOUSLY REDUCED OR COMPLETELY NEGATED
IF THE SEAL IS REMOVED AFTER FITTING.**



The adhesive is "pressure-sensitive".



All surfaces should be sound, clean, dry and dust-free.



Allow as long as possible.



The adhesive is sensitive to excessive temperatures.



Condensation and humidity are detrimental to the adhesive.