



USED IN
AEROSPACE,
AUTOMOTIVE,
GLAZING,
COMPOSITES,
FURNITURE,
MARINE & OTHER
INDUSTRIES

SF PROTECTION FOAM



- ✓ SELF-ADHESIVE
- ✓ EASY TO USE
- ✓ RESIDUE-FREE

ABOUT SF PROTECTION FOAM

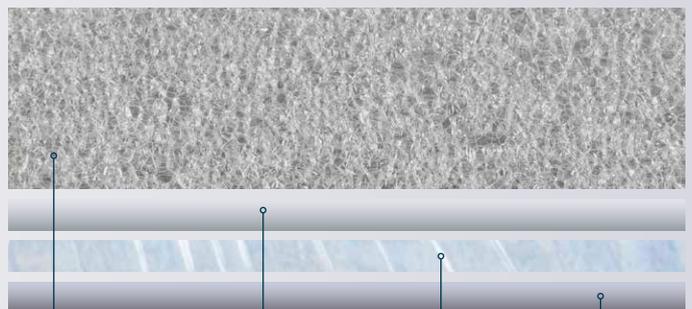
SF Self Adhesive Protection Foam is a temporary defence against costly damage to materials or products during manufacture or transportation. It is a modern, high performance, clean and aesthetic protective packaging that can even be used on fragile and/or difficult surfaces. It replaces and outperforms standard protection products such as film, bubble film, adhesive tape, protective tape and peelable varnish. The major advantages of SF Protection Foam is that it is quick and easy to apply and reapply, but leaves no unsightly residue or adhesive marks on the material it has been attached to. With SF Protection Foam you get the best properties of traditional protection tapes, such as resistance, conformability and ease of use, while adding the advantages of closed cell PE foams, namely softness, lightness and preservation.

- ✔ Provides clean and very tidy protection
- ✔ Is incredibly easy and fast to apply
- ✔ Can be removed and reapplied with equal ease
- ✔ Is a highly cost-effective way to protect valuable surfaces
- ✔ Can reduce and even eradicate reworks
- ✔ Saves time by doing the work of several traditional products all in one go
- ✔ Is non-toxic, making it completely safe to use



FOUR PROTECTIVE LAYERS

SF Protection Foam has a slim four-layer construction that provides both the mark-free adhesion and that all-important outer buffer to protect against costly damage. The first layer (outer protection) is a 1 or 2mm thick closed cell polyethylene. This is backed up by acrylic-based glue for lamination; a polyethylene support layer and finally a layer of transparent acrylic adhesion. The result is a slim material with highly effective protective properties that can be applied to almost any surface easily and without mess.



1 FOAM
Closed cell
polyethylene foam
1mm or 2mm

2 GLUE
Acrylic-based
adhesive for
lamination

3 SUPPORT
0.050mm
LDPE film

4 ADHESIVE
Transparent
acrylic (three
formulations)



USES FOR SF PROTECTION FOAM

SF Protection Foam provides your goods with essential cost-saving protection during handling or transportation. It is suitable for use on plastics, glass, ceramics, varnished woods, metalized surfaces, bi-component varnishes, metal and even on very delicate or fragile surfaces. It is non-toxic, high performance and economical - saving time and materials.

It can protect anything that is liable to be scratched, scraped or dented during build, transit or when stored, from high gloss wooden furniture to ceramic and glass vases, picture frames, metal artefacts, carbon fibre tubular cycle frames, TV or computer screens and so on, the list is endless. Remember, whatever the surface, SF Protection adheres safely and removes easily without leaving any residue.

It is currently used extensively in the aerospace, marine, furniture and glass industries but it can be used on almost any product or material that needs temporary but highly effective protection against potential damage.



HOW TO USE SF PROTECTION FOAM



UNROLL
Simply take a roll and pull out the amount required to cover the surface you want to protect. The relatively low adhesion makes this easy to do.



STICK
Now just press the Protection Foam gently onto the surface you are protecting. You can easily peel it away and reapply to reposition or check the surface beneath.



CUT
SF Protection Foam is easily cut to the size and shape you want using scissors or any other typical cutting tool.

DIE CUT SF PROTECTION FOAM

While the convenience of SF Protection Foam peeled straight off a roll is perfect for many industries and individual use, there are times when having the foam cut to a specific shape is very advantageous. We can supply SF Protection Foam die cut to any shape or size you require and in any quantity.

Therefore if you have an item that requires a bespoke shaped protective covering that sticks securely; comes off easily but provides maximum protection during transit then talk to us directly about your requirements.

Die cut SF Protection Foam can be supplied in both 1mm and 2mm thickness. It is available in white for all products and also in blue in SF7221. The die cut foam comes attached to a non-stick laminated backing to mask the adhesive layer before use. This backing peels away easily prior to applying the foam.



LOG SIZES

All SF Protection Foam is supplied as standard in full and half log sizes. A full log size is 1250mm and a half log is 625mm. Logs can be cut down to any size by request at the manufacturing stage (this is an additional cost) or you can cut a log yourself using a band saw. However, if you require neat cutting and a precision dimension we recommend the log is cut to the required size during manufacture.

A full log of 2mm thickness provides 25 metres of Protection Foam, while a full log of 1mm thickness provides 50 metres of Protection Foam. There are 15 full logs and 45 half logs on a pallet.

SF7220 is also stocked in a smaller Edge Protection roll that is 75mm in diameter. There is 25 metres of Protection Foam on an Edge Protection roll.

Not all products are held in stock. Please check the individual specification pages for further information on Ex- and Non-stock items. Our minimum order is 1 full or half log. Please contact us for up-to-date pricing.





SIX VARIATIONS OF SF PROTECTION FOAM

We supply six types of SF Protection Foam. They are all available in white but SF7221 is also available in blue. Each variation has the same strength and temperature resistance (up to 60°C) but the thickness of the PE foam and strength of the Acrylic adhesion varies depending on type. This allows you to choose the right combination of outer defence and bonding level for your specific material or product.

SPECIFICATION & USES

SF7210 & SF7211

1mm PE foam laminated onto a PE film for protection of fragile surfaces. Removable without residue and age resistant. SF7211 is a version with even less adhesion for very difficult surfaces, like hot stamped materials, varnishes, PVC etc.

SF7220 & SF7221

2mm PE foam laminated with PE film for protection and spacing of fragile surfaces. Also removable without residue and age resistant. SF7221 is the least adhesive of the 2mm foams.

SF7200 & SF7222

1mm and 2mm PE foam laminated on PE film with a higher adhesion. It's designed for curved and granular surfaces but can be used on any surface that requires stronger bonding.

AT A GLANCE GUIDE

Ref	Adhesive strength	Thickness	Long Length	Applications	Typical use
SF7200	4.5	1mm	50 metres	Protection of plastics	Automotive industry
SF7222	4.5	2mm	25 metres	Protection of plastics, composites & glass	Aeronautic industry
SF7210	2.5	1mm	50 metres	Protection of varnished wood, plastics & ceramics	Furniture & ship industries
SF7220	2.5	2mm	25 metres	Protection of glass, varnished wood, plastics & ceramics	Glass, furniture and ship industries
SF7211	1	1mm	50 metres	Protection of metals, bi-component varnishes & metalized surfaces	Ship, furniture and glass industries
SF7221	1	2mm	25 metres	Protection of metals, bi-component varnishes & metalized surfaces	Ship, furniture and glass industries

SF7200

High tack protection foam. Using SF7200 is economical. It saves times and materials with the highest level of protection.

- ✔ Non-stock.
- ✔ Available in full (1250mm), and half (625mm) logs as standard.
- ✔ Bespoke sizes available on request.

Specification (thickness & length): 1mm x 50 metres

Colour: White

APPLICATION

High performance protection on plastics. Main application area is the automotive industry. SF7200 is non toxic and can be used in confined environments. It ensures double protection both during handling (dirt and marks) and transport (shockproof).

PRODUCT DATA

Backing	Closed cell laminated polyethylene foam (1mm)
Adhesive	Acrylic
Reinforcement film	0.050mm LDPE film
Total thickness	~0.8mm. Foam is compressed during lamination and coating; initial thickness cannot be maintained

	Unit	Value	Method
Adhesion to steel	N/25mm	4.5	PSTC 101
Tensile strength MD	N/25mm	>30	PSTC 131
Elongation at Break	%	<200	PSTC 131

FEATURES/BENEFITS

Acrylic adhesive

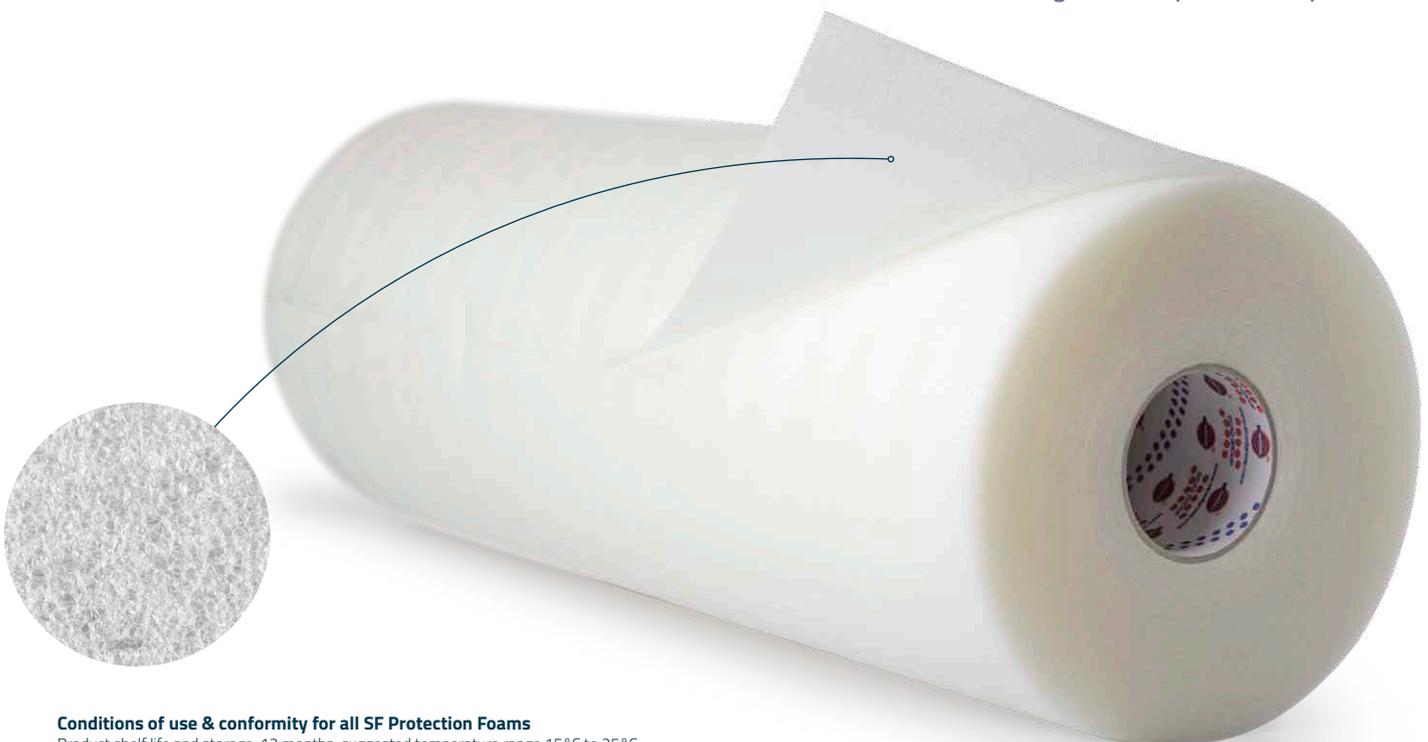
- ✔ Very easy application: Does not require any additional tape or strip
- ✔ Removes easily and cleanly
- ✔ Leaves no adhesive residue
- ✔ Adhesive level ensures very high security bond, even on difficult substrates.
- ✔ Clean and aesthetic protection

Carrier

- ✔ The PE foam ensures a very high level of protection against scratches and damages

LDPE reinforcement film

- ✔ Provides high flexibility and high conformability even on difficult surfaces
- ✔ High bond between film and foam allows high tensile strength and easy removability



Conditions of use & conformity for all SF Protection Foams

Product shelf life and storage: 12 months; suggested temperature range 15°C to 25°C with maximum relative humidity of 65%. Material should be stored away from heat sources and if possible kept in original package to avoid light exposure. When temperature is lower than suggested it is important to acclimatise the tape at normal temperatures before use. This information is given to the best of the manufacturer's knowledge. Values are typical and do not constitute a specification. Users are required to do their own testing under the working conditions for their intended application. Any liability arising in respect of these products will be limited to the value of those products charged to the customer, excluding any consequential loss.

SF7222

High tack protection foam but thicker version than SF7200. Using SF7222 is economical. It saves times and materials with the highest level of protection.

- ✔ Ex-stock.
- ✔ Available in full (1250mm), and half (625mm) logs as standard.
- ✔ Bespoke sizes available on request.

Specification (thickness & length): 2mm x 25 metres

Colour: White

APPLICATION

High performance protection on plastics. Main application field is the aeronautic industry. SF7222 is non toxic and can be used in confined environments. It ensures double protection both during handling (dirt and marks) and transport (shockproof).

PRODUCT DATA

Backing	Closed cell laminated polyethylene foam (2mm)
Adhesive	Acrylic
Reinforcement film	0.050mm LDPE film
Total thickness	~ 1.6mm. Foam is compressed during lamination and coating; initial thickness cannot be maintained

	Unit	Value	Method
Adhesion to steel	N/25mm	4.5	PSTC 101
Tensile strength MD	N/25mm	>30	PSTC 131
Elongation at Break	%	<200	PSTC 131

FEATURES/BENEFITS

Acrylic adhesive

- ✔ Very easy application: Does not require any additional tape or strip
- ✔ Removes easily and cleanly
- ✔ Leaves no adhesive residue
- ✔ Adhesive level ensures very secure fixing
- ✔ Clean and aesthetic protection

Carrier

- ✔ The PE foam ensures a very high level of protection against scratches and damages

LDPE reinforcement film

- ✔ Provides high flexibility and high conformability even on difficult surfaces
- ✔ High bond between film and foam allows high tensile strength and easy removability



SF7210

Medium-low tack protection foam. Using SF7210 is economical. It saves times and materials with the highest level of protection.

- ✔ Non-stock.
- ✔ Available in full (1250mm), and half (625mm) logs as standard.
- ✔ Bespoke sizes available on request.

Specification (thickness & length): 1mm x 50 metres

Colour: White

APPLICATION

High performance protection of glass, varnished wood, plastics, ceramics etc. Main application fields are furniture, ship building and glass industries. SF7210 is non toxic and can be used in confined environments.

PRODUCT DATA

Backing	Closed cell laminated polyethylene foam (1mm)
Adhesive	Acrylic
Reinforcement film	0.050mm LDPE film
Total thickness	~0.8mm. Foam is compressed during lamination and coating; initial thickness cannot be maintained

	Unit	Value	Method
Adhesion to steel	N/25mm	3	PSTC 101
Tensile strength MD	N/25mm	>30	PSTC 131
Elongation at Break	%	<200	PSTC 131

FEATURES/BENEFITS

Acrylic adhesive

- ✔ Very easy application: Does not require any additional tape or strip
- ✔ Removes easily and cleanly
- ✔ Leaves no adhesive residue
- ✔ Adhesive level ensures very secure fixing
- ✔ Clean and aesthetic protection

Carrier

- ✔ The PE foam ensures a very high level of protection against scratches and damages

LDPE reinforcement film

- ✔ Provides high flexibility and high conformability even on difficult surfaces
- ✔ High bond between film and foam allows high tensile strength and easy removability

SF7220

Medium-low tack protection foam but thicker version than SF7210. Using SF7220 is economical. It saves times and materials with the highest level of protection.

- ✔ Ex-stock.
- ✔ Available in full logs (1250mm), half logs (625mm) and Edge Protection (75mm) rolls as standard
- ✔ Bespoke sizes available on request.

Specification (thickness & length): 2mm x 50 metres

Colour: White

APPLICATION

High performance protection on glass, varnished wood, plastics, ceramics, etc. Main application fields are furniture, ship building and glass industries. SF7220 is non toxic and can be used in confined environments.

PRODUCT DATA

Backing	Closed cell laminated polyethylene foam (2mm)
Adhesive	Acrylic
Reinforcement film	0.050mm LDPE film
Total thickness	~ 1.6mm. Foam is compressed during lamination and coating; initial thickness cannot be maintained

FEATURES/BENEFITS

Acrylic adhesive

- ✔ Very easy application: Does not require any additional tape or strip
- ✔ Removes easily and cleanly
- ✔ Leaves no adhesive residue
- ✔ Adhesive level ensures very secure fixing
- ✔ Clean and aesthetic protection

Carrier

- ✔ The PE foam ensures a very high level of protection against scratches and damages

LDPE reinforcement film

- ✔ Provides high flexibility and high conformability even on difficult surfaces
- ✔ High bond between film and foam allows high tensile strength and easy removability

	Unit	Value	Method
Adhesion to steel	N/25mm	3	PSTC 101
Tensile strength MD	N/25mm	>30	PSTC 131
Elongation at Break	%	<200	PSTC 131



SF7211

Low tack protection foam. Using SF7211 is economical. It saves times and materials with the highest level of protection.

- ✔ Non-stock.
- ✔ Available in full (1250mm), and half (625mm) logs as standard.
- ✔ Bespoke sizes available on request.

Specification (thickness & length): 1mm x 50 metres

Colour: White

APPLICATION

High performance protection on very difficult surfaces: metals, bi-component varnishes, metalized surfaces etc. Main application fields are ship building and glass industries. SF7211 is non toxic and can be used in confined environments.

PRODUCT DATA

Backing	Closed cell laminated polyethylene foam (1mm)
Adhesive	Acrylic
Reinforcement film	0.050mm LDPE film
Total thickness	~0.8mm. Foam is compressed during lamination and coating; initial thickness cannot be maintained

	Unit	Value	Method
Adhesion to steel	N/25mm	1	PSTC 101
Tensile strength MD	N/25mm	>30	PSTC 131
Elongation at Break	%	<200	PSTC 131

FEATURES/BENEFITS

Acrylic adhesive

- ✔ Very easy application: Does not require any additional tape or strip
- ✔ Removes easily and cleanly
- ✔ Leaves no adhesive residue
- ✔ Adhesive level ensures very secure fixing
- ✔ Clean and aesthetic protection

Carrier

- ✔ The PE foam ensures a very high level of protection against scratches and damages

LDPE reinforcement film

- ✔ Provides high flexibility and high conformability even on difficult surfaces
- ✔ High bond between film and foam allows high tensile strength and easy removability

SF7221

Low tack protection foam but thicker version than SF7211. Using SF7221 is economical. It saves times and materials with the highest level of protection.

- ✔ Non-stock.
- ✔ Available in full (1250mm), and half (625mm) logs as standard.
- ✔ Bespoke sizes available on request.

Specification (thickness & length): 2mm x 50 metres

Colour: White and blue

APPLICATION

High performance protection on very difficult surfaces: metals, bi-component varnishes, metalized surfaces etc. Main application fields are ship building and glass industries. SF7221 is non toxic and can be used in confined environments.

PRODUCT DATA

Backing	Closed cell laminated polyethylene foam (2mm)
Adhesive	Acrylic
Reinforcement film	0.050mm LDPE film
Total thickness	~ 1.6mm. Foam is compressed during lamination and coating; initial thickness cannot be maintained

FEATURES/BENEFITS

Acrylic adhesive

- ✔ Very easy application: Does not require any additional tape or strip
- ✔ Removes easily and cleanly
- ✔ Leaves no adhesive residue
- ✔ Adhesive level ensures very secure fixing
- ✔ Clean and aesthetic protection

Carrier

- ✔ The PE foam ensures a very high level of protection against scratches and damages

LDPE reinforcement film

- ✔ Provides high flexibility and high conformability even on difficult surfaces
- ✔ High bond between film and foam allows high tensile strength and easy removability

	Unit	Value	Method
Adhesion to steel	N/25mm	1	PSTC 101
Tensile strength MD	N/25mm	>30	PSTC 131
Elongation at Break	%	<200	PSTC 131



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ABOUT SAFE PRODUCTS

Safe Products is a dynamic, family-run business with a centrally-located UK base. We have in-depth knowledge about our products, flawless organisation and a genuine desire to deliver the best for every customer. Whether you work in Automotive, Marine, Aerospace, Furniture or any other sector, we are able to use our expertise to help you protect your products.