

PE FOAM TAPE

PRODUCT DATA SHEET

1823 DOUBLE SIDED PE FOAM TAPE

DESCRIPTION

The 1823 is made from a strong thin closed cell Polyethylene foam carrier and coated both sides with a high bond acrylic adhesive system. The modified acrylic adhesive is designed to bond to most substrates, while the foam carrier provides invisible type appearance due to its very thin thickness.



ADHESIVE	MODIFIED SOLVENT ACRYLIC
SURFACE TYPE	Smooth to semi-textured & light porous surfaces
RELEASE LINER	RED PLASTIC FILM

FEATURES



HIGH SHEAR STRENGTH

The long life acrylic adhesive system also has excellent shear properties for lightweight mounting applications.



MOISTURE & SOLVENT RESISTANT

Good resistance to moisture once applied correctly, and a good resistance against most solvents.



UV RESISTANT

Good resistance against UV light & weather conditions.



GOOD CONFORMABILITY

Conformable foam structure.



ROHS & REACH COMPLIANT

Compliant with ROHS & Reach standards.



TEMPERATURE RESISTANCE

Good resistance temperature extremes.

TYPICAL APPLICATIONS

- The thin, conformable foam structure provides excellent non visible gap filling and bonding.
- Used for permanent fixing and installation of a variety of materials such as glass, metals, plastics and ceramics.
- Durable adhesion of lightweight thin signs, lettering and plastic moulded parts.
- The long life acrylic adhesive system also has excellent shear properties for lightweight mounting applications.
- Used in many industrial application to replace or work in conjunction with rivets, screws, spot welds & liquid adhesives.
- A medium / firm foamed structure for excellent internal strength & dimensional stability.
- For bonding automotive badges & thin decorative trim.
- Adhesion to HSE (High surface energy substrates) - Excellent
- Adhesion to LSE (Low surface energy substrates) - Very Good

ADVANTAGES

QUICK & EASY TO USE

No clean up mess which occurs with liquid adhesives.

ECONOMICAL

Preparation time is minimal.
Installation is faster & waste is reduced.

SLIT TO SIZE IN NZ

Roll widths are slit to required sizes in New Zealand. Fast delivery to site throughout New Zealand.

FREE TECHNICAL ADVICE

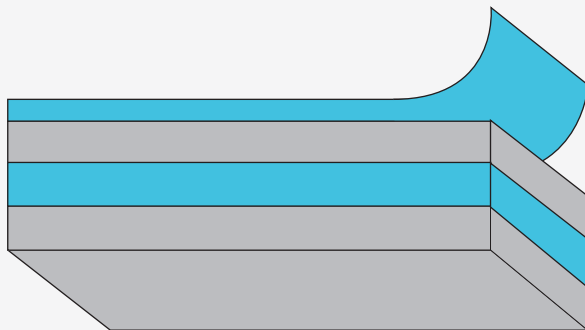
Free technical assistance, samples and advice available throughout NZ from the tape spec sales team.

PRODUCT

DOUBLE SIDED POLYETHYLENE FOAM

Available Thicknesses: **0.6MM**

DOUBLE SIDED FOAM STRUCTURE



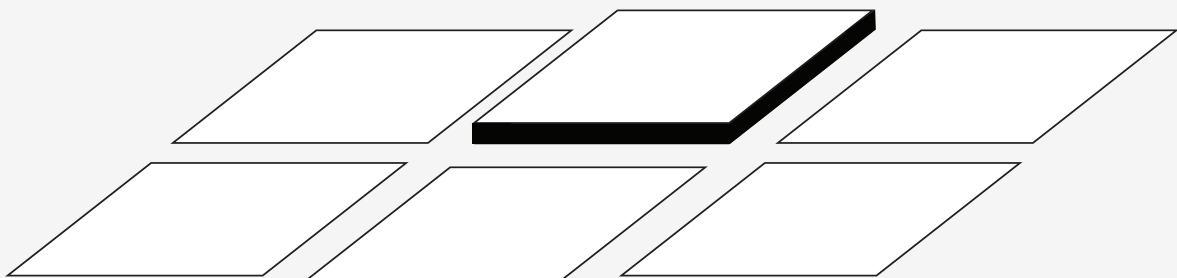
Red Plastic Film Release Liner

Modified Acrylic Adhesive

Black Polyethylene Foam Carrier

Modified Acrylic Adhesive

DIECUTTING



Able to be die and kiss cut into various shapes (with an extra release liner).

TECHNICAL INFORMATION

Carrier	PE Closed Cell Foam - Coated both sides
Adhesive	Modified Acrylic Adhesive
Colour	Black
Release Liner	Red PE Film Liner
Thickness	0.6mm (tolerance + / - 10%)
Adhesion to steel	Initial Tack: 16 Rolling Ball Test
180° Peel Adhesion Power Test - b 20N/25mm	Holding Power: >200 hours
Temperature Resistance	40°C to + 85°C & 100°C (for short periods) Shelf Life (at 20° C and 50 % relative humidity) - 2 years
Storage Temperature	12°C to 25°C - not in direct sunlight.
Shelf Life	12 Months - from date of manufacture.
Roll Size	50 meter length (widths slit to order)

Slit to various width sizes as required.

SIMILAR PRODUCTS

- 1811 - 1.1mm Thick PE Foam Tape - High Bond Acrylic Adhesive
- 1816 - 1.6mm Thick PE Foam Tape - High Bond Acrylic Adhesive

NOTE: We recommend tape product testing to assess the suitability of the selected product to the end application & conditions. For surface preparation and guidelines please refer to our website www.tapespec.co.nz Advanced Tape Application Guide.

SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, fats, oxidation, release agents & any other known contamination. The correct choice of surface cleaner depends on the surface properties. Essentially non-greasy cleaners are recommended including isopropanol alcohol (mixed 50/50 with clean water). Cleaning cloths must be clean, grease & fat free with no loose fibres or cloth particles.

The bond strength is dependent upon the contact pressure of the adhesive to substrate. To assist this process all adhesive tapes require firm hand or roller pressure.

BONDING APPLICATION TEMPERATURE

We recommend that the product, substrate & environment should be between +15°C & 30°C. Ensure that the adhesive product & substrates are allowed time to adjust to the environment temperature before bonding.

For product storage we recommend that products are stored in their original packaging under dry conditions, ideally at room temperature but not warmer than +30°C. High relative humidity & direct sunlight must be avoided at all costs. For more detailed handling instructions please refer to our comprehensive application guide.

PRODUCT USE

The information in this guide is based upon our knowledge & practical experience. This data is intended only as a source of information given without guarantee & does not constitute a warranty.

Due to the wide variety of possible uses & applications, customers should independently determine the suitability of these products for their specific purpose, prior to use. Trial samples are provided free of charge & without obligation.

For detailed surface preparation & application information please refer to our detailed Surface Condition & Preparation Guide.



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