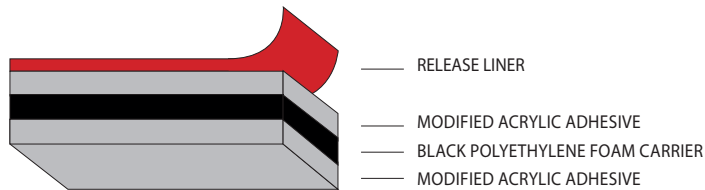


DESCRIPTION

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. Used as a permanent adhesive system for both interior and exterior applications. Resistance to most solvents, temperature extremes and UV light.



TAPE STRUCTURE



FEATURES & BENEFITS

- 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.

APPLICATION GUIDE

- 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

NOTE: Testing is always recommended on all surfaces for suitability. A primer system maybe required for bonding to LSE substrates. Rolls can slit to various width sizes to suit the application. Suitable for die cutting applications - contact tapespec for further details.

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 180° Peel Adhesion Power Test - b 20N/25mm	Initial Tack: 16 Rolling Ball Test 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)

SURFACE SUBSTRATE CONDITION & PREPARATION

The surfaces to be bonded must be dry & free from any contamination including dust, oils, & fats, oxidisation, 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) & acetone. 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 & 25°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.