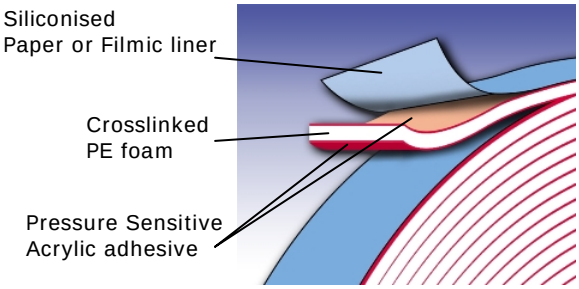
Norfix® V1800



Superior performance PE foam mounting tape with high shear acrylic adhesive

Norfix® V1800

High shear and temperature resistant acrylic adhesive tape with excellent adhesion levels. The product has been designed for both internal and external permanent applications on a wide range of surfaces, especially automotive paints, glass and coated plastics.

The foam is a high quality Polyolefin with excellent dimensional tolerances and good elongation, a high degree of colour stability and excellent key to the adhesive surface. The thickness and density range has been chosen to offer the best internal strength and resistance to elongation, essential in high temperature or highly loaded applications.

The acrylic adhesive combines excellent peel adhesion from very smooth surfaces, such as automotive paint and coated plastics, with a very high loading capacity. Norfix® V1800 has a high adhesive coatweight which allows good initial adhesion levels and excellent maximum adhesion after a dwell period of up to 24 hours. The highly crosslinked adhesive offers high resistance to many chemicals and solvents and has a wide service temperature range even when loaded.

The product is generally available as a black double sided tape in thickness from 0.5m to 0.8mm, protected by a siliconised PE coated paper or filmic liner.

Features / Benefits

- Excellent environmental and chemical resistance
- Conformable PE foam offering high internal strength
- Suitable for adhesion to smooth/low energy surfaces

Applications

- Specialist product for demanding interior or exterior applications
- Automotive ornamentation
- Lens grinding/blocking/ edging pads

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Norfix® V1800 - Typical Properties

Colour:	Black
Liner:	White PE coated paper / Filmic liner
Format:	Jumbo logs/Logs/Slit rolls (Bespoke widths and lengths)
Useful width of log:	Minimum 1000mm

Properties—based on 0.8mm HD material	Test Method		Value
Thickness, mm	AFERA 4006	Range	0.5 — 0.8
Tensile Strength KPa	AFERA 4004	Typical	3800
Elongation at Break %	AFERA 4005	Typical	370
Water Absorption %		Maximum	1
180° Peel Adhesion N/cm	AFERA 4001	Typical	8
Dynamic Shear N/cm^2	AFERA 4024	Typical	100
Tensile Adhesion N/cm^2		Typical	100
Static Shear Adhesion 2kg Hours	AFERA 4012	Minimum	100
Service Temperature °C		Long Term	-40 to +100

The product must be stored in its original packaging in a clean, dry, well ventilated area and under these conditions the shelf life will be a minimum of 12 months.

To promote an adequate bond, the two surfaces must be clean and dry, cleaning with a mixture of 50/50 water and IPA has been found to be adequate. Low temperatures at the time of application may increase the possibility of condensation on the surface, which will reduce the final bond strength.

The adhesive is pressure sensitive, we therefore recommend the application to be carried out at a minimum of 15°C with as high a pressure as your process allows, (a minimum of 1 Bar pressure is recommended)

Norfix® is a registered trademark

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The data and details in this leaflet were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. This leaflet is not a specification and does not assure specific product characteristics or make reference to the suitability of the products for a definite application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions.

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