



Techniflex

acrylic tapes

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Solid and foamed all-acrylic tapes

What is Techniflex?

Techniflex is our brand name for a range of solid and foamed all-acrylic tapes that offer outstanding bond strength and environmental resistance. These productions can often replace welds, rivets and structural adhesives. The acrylic construction is highly visco-elastic, which means that although the tape feels very solid, it will flow slightly with time to fill gaps and compensate for substrate movement, without bond failure. It is ideal for outdoor applications where repeated heating and cooling of dissimilar materials causes thermal movements, or where wind pressures

constantly flex the substrates. Also in transportation industries where continual movement flexes metal joints, and many other applications where movement and vibration are encountered. The products are nevertheless more rigid than a normal foam tape so they will provide a more solid joint in applications such as metal stiffening, and will withstand vandalism and very high stresses.

What does it do?

Techniflex products provide a very strong but flexible bond with the following

- features compared to PE Foams:
- Very high bond strength, especially in resisting cleavage forces.
- High temperature resistance and shear at high temperatures.
- Very high internal strength resists splitting.
- High adhesive mass bonds better to rough surfaces.
- Resists compression, joint movement and dynamic forces.
- Superior environmental resistance due to all-acrylic construction.
- Techniflex clear provides a thick clear bond.



Product	Description	Thickness options (mm)									Adhesive performance	
		0.25	0.50	0.65	0.80	1.0	1.2	1.5	2.0	3.0		
Techniflex clear	A glass clear solid acrylic adhesive mass for transparent applications, such as the manufacture of security glass and clear signs, and mounting point of sale materials. Also a good general purpose product. Available in a wide thickness range.	●	●	●	●	●	●	●	●	●	●	<p>Tack Is a description of how sticky an adhesive feels, or in technical terms, how quickly it forms a bond under light pressure. It does not equate to bond strength, and in fact high tack adhesives tend to have low performance.</p> <p>Adhesion Adhesion measures the bond between the adhesive and the substrate. The figures on data sheets usually use stainless steel as the test surface for control purposes, but this may be meaningless in your application so we also perform tests to real materials.</p> <p>Shear Shear measures the internal bond strength or cohesion of the adhesive, which is the most important factor for long-term performance. A low shear adhesive will flow like a liquid with time; a high shear adhesive behaves as a solid and will resist flow</p> <p>A high bond strength requires a good balance of shear and adhesion.</p>
Techniflex HS	High Shear solid acrylic mass with a hazy translucent appearance. The most universal product, generally gives the highest bond strengths and excellent for die-cut parts. Has several automotive approvals.			●	●		●	●	●			
Techniflex grey	Grey foamed acrylic mass with good compressibility for improved results on uneven surfaces. Good for metal to metal bonding where the grey colour is unobtrusive, also used on PVC extrusions.							●				
Techniflex black	Black slightly foamed acrylic mass for use where a less visible black bond line is preferred. Has reasonable compressibility for gap-filling between uneven materials. Used on metals and PVC.				●			●				
Techniflex SS	A single sided overpaintable product for protecting metal seams. Also good for protection and high temperature gaskets. Good compression resistance.		●				●		●			

Full product data sheets available on request. Contact us today on:

01628 642800 or visit www.technibond.co.uk