

POWERBOND

HIGH BOND PERFORMANCE TAPES



APPLIANCES



MARINE



CONSTRUCTION



TRANSPORT



Quality from 

POWERBOND

HIGH BOND PERFORMANCE TAPES

Product Code	Material	Colour	Thickness (mm)	Adhesive Type	Initial Tack	Minimum Application Temperature degree C	Application Surface Energy
5300	Solid Acrylic	Translucent	0.64	General Purpose	High	10	High
5301	Solid Acrylic	Translucent	1.14	General Purpose	High	10	High
5303	Solid Acrylic	Clear	0.64	General Purpose	High	10	High
5304	Solid Acrylic	Clear	1.14	General Purpose	High	10	High
5305	Solid Acrylic	Clear	2.00	General Purpose	High	10	High
5310	Solid Acrylic	Clear	1.00	General Purpose	High	18	High
5315	Solid Acrylic	Clear	1.50	General Purpose	High	18	High
5320	Solid Acrylic	Clear	2.00	General Purpose	High	18	High
5325	Firm Foam	White	0.64	Multi Purpose	Low (Repositioning)	18	Medium to High
5330	Firm Foam	White	1.10	Multi Purpose	Low (Repositioning)	18	Medium to High
5335	Firm Foam	Grey	1.10	Multi Purpose	Low (Repositioning)	18	Medium to High
5340	Conformable	Grey	1.10	Multi Purpose	Low (Repositioning)	18	Medium to High
5345	Conformable	White	1.10	High Performance	High	<10	Low
5400	Primer to promote adhesion for Medium to Low Surface Energy Substrates						

SWATCHES HERE



FOR FURTHER INFORMATION PLEASE CALL 0508 SELLOTAPE - 0508 735 568

POWERBOND Adhesive Types

General Purpose Acrylic

Adhesive: Suited to high surface energy substrates such as metals, glass and plastics within the high surface energy range.

Multi-Purpose Acrylic Adhesive:

The most versatile adhesive, performing across medium and high surface energy materials including metals, glass and plastics within the medium and high surface energy ranges.

High Performance Acrylic

Adhesive: This adhesive can make bonds down to 0°C, compared to 10°C for most acrylic adhesives.

It also bonds to many lower surface energy substrates, including many plastics and powder coated paints, plus smooth general purpose substrates.

This unique adhesive also has the ability to resist migration of plasticizers in vinyl substrates.

POWERBOND Materials

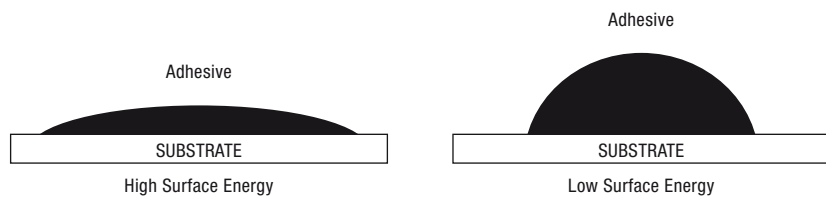
Solid Acrylic: The foam core and the adhesive are homogenous. This solid acrylic material provides excellent clarity.

Firm Foam: Delivers the highest foam strength within the Powerbond range.

Conformable Foam: Delivers high adhesive strength and conformability when bonding irregular, rigid surfaces

Surface Energy

Choose the right tape for the substrate: The most effective and strongest adhesive bond will develop when the adhesive is able to flow over and into the surface to be bonded, to achieve the closest possible contact at a molecular level, for intermolecular forces to become firmly established. The ability of an adhesive to establish this relationship with the material is determined to a high degree by the surface energy exhibited by the material.



As illustrated, the low surface energy substrate does not allow the adhesive to spread, or flow across the substrate as much as the high surface energy example. This restriction on adhesive spread prevents the adhesive from “soaking” into the surface, where it would normally achieve the higher level of molecular bonding, thus a strong adhesive bond.

Typical Bonding Applications

- Panel to frame assembly in appliances.
- Panel to frame assembly in air conditioning units.
- Panel to frame assembly in trucks, trailers and buses.
- Trim attachment for display panels and garage doors.
- LCD covers.
- Cellular phone panel displays.
- Integrated circuit assembly.
- Panels, trim and accessories to horse trailers.
- Colonial bars to windows and doors.
- Sign-panels, stiffeners, and brackets.
- Glass furniture to metal frames.
- Nameplate attachment.
- Spacer between security glass frames.
- Flexible circuits.
- Office partitioning.
- Glass onto painted aluminium profiles for greenhouses.
- Metal, glass and plastic bonding applications.

Feature & Benefits

- Easy to apply.
- Solid acrylics for superior strength.
- Pressure sensitive bonding.
- Solid composition for easy cutting.
- Maintains adhesion at sub zero temperatures.
- Flexible, moldable, compressible.
- Conforms to intricate shapes.
- Moisture resistant.
- Very good Ultra Violet light resistance.
- Excellent weathering properties.
- Reduces vibration and shock.
- Sound deadening properties.
- Withstands thermal movement.
- Stain resistant after aged contact.
- Will not harden or become brittle with age.
- Good resistance to plasticizers.
- Replaces screws, rivets, and welds.

For further information refer to the **POWERBOND Product Data Sheet**

Quality from 

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0508 735 568



AIRCONDITIONING



TRAILERS



ELECTRONICS



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