

**UHB CLEAR FOAMED  
ACRYLIC TAPE**

# PRODUCT DATA SHEET

## 1906 ULTRA HIGH BOND CLEAR FOAMED ACRYLIC DOUBLE SIDED

### DESCRIPTION

Tapespec UHB is made from a Super Clear Foamed Acrylic Adhesive structure (a solid block of acrylic adhesive with no extra coating). Extra high density for increased dimensional stability & strength. The acrylic adhesive core is super clear and provides long life, high bond adhesive performance. Used as a permanent Double Sided for both interior and exterior invisible mounting and bonding applications.

<b>THICKNESS</b>	1.0MM
<b>CORE</b>	ACRYLIC ADHESIVE FOAM
<b>ADHESIVE</b>	SUPER CLEAR ACRYLIC ADHESIVE
<b>RELEASE LINER</b>	RED PE RELEASE LINER



### FEATURES



#### SUPER CLARITY

Super clear foamed acrylic structure for permanent invisible mounting & bonding.



#### EXCELLENT TEMPERATURE RESISTANCE

Resistant properties against temperature extremes (- 40°C to + 120°C & +149°C for time short periods).



#### UV & WEATHER RESISTANCE

Excellent UV & Weather resistant properties. Creates a permanent seal against water and moisture.



#### EXCELLENT SOLVENT & CHEMICAL RESISTANCE

Resistance to most common solvents and chemicals.



#### SUPER STRONG

High strength & dimensional stability. Ability to absorb dynamic loading, expansion and contraction.



#### FOAMED ACRYLIC TECHNOLOGY



#### ROHS COMPLIANT

Meets ROHS standards.



#### MANUFACTURES CERTIFICATION

KS ISO 14001: 2009/ISO - 14001: 2004  
KSQ ISO 9001: 2009/ISO - 9001: 2008  
ROHS Certified  
Please contact us for UL ratings.

## TYPICAL APPLICATIONS

- Designed for applications which require excellent clarity or near invisible finish lines are required.
- A multi-purpose adhesive used predominantly to bond HSE (high surface energy materials) such as glass, metals, acrylic and polycarbonate plastic substrates.
- Used in many industrial application to replace or work in conjunction with rivets, screws, spot welds & liquid adhesives.
- Excellent for sign manufacturing, glass panels & for partition walls attachment.
- Good life durability as a gap filler double sided tape system.
- Adhesion to HSE (High surface energy substrates) - High
- Adhesion to LSE (Low surface energy substrates) - Low / Medium
- NOTE: Testing is always recommended on all surfaces for suitability. A primer system maybe required for bonding to LSE substrates.

## 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

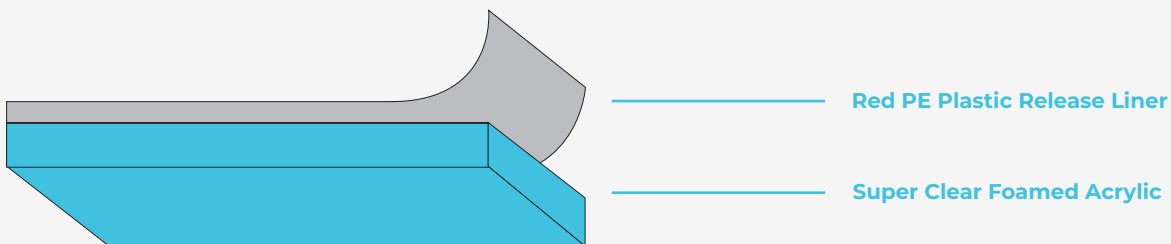
Roll widths are slit to required sizes in New Zealand. Fast delivery to site throughout New Zealand.

### FREE TECHNICAL ADVICE

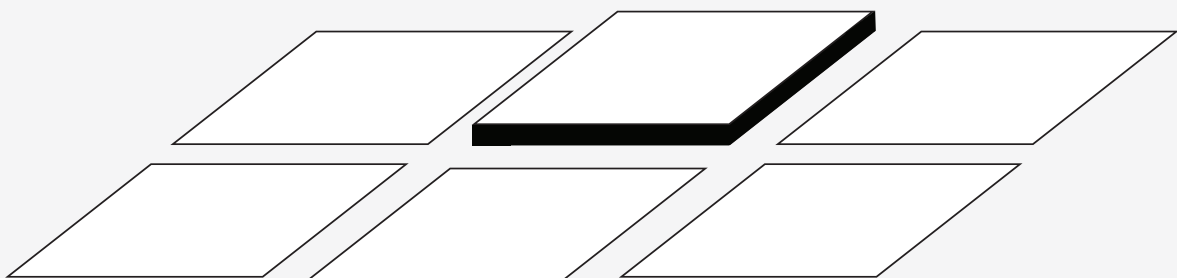
Free technical assistance, samples and advice available throughout NZ from the tape spec sales team.



## TAPE STRUCTURE



## DIECUTTING



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

## TECHNICAL INFORMATION

Carrier	Foam Acrylic - Solid Form		
Adhesive	Acrylic Adhesive		
Colour	Transparent - Excellent clarity		
Release Liner	Red PE Film Liner		
Thickness	1.0 mm (tolerance + / - 10%)		
Density	Firm - 1000 Kg/m3		
UHB Curing Time Guide	20 mins - 50% 1 hour - 75% 1 day - 90% 3 days - 100%		
Adhesion to steel  180° Peel Adhesion Power Test - bond at room temperature & test after 2 hours.	Normal 1400 gf/10mm High Temp 1600 gf/10mm Initial 1100 gf/10mm Low Temp 900 gf/10mm  Speed: 300+/- 10mm/min Tape Width: 10mm Backing: 25 micron polyester film		
Static Shear  Measured at various temperatures & gram loadings on stainless steel. 3.22 cm² overlap. Holding a load for 7 days	<b>Temperature</b> 23°C 93°C	<b>Load</b> 1000g 500g	<b>Result</b> OK OK
Dynamic Shear  Measurement of the bonding load at room temperature - after 2 hours. Speed: 200+/- 10mm/min Tape Width: 10mm x 10mm Backing: 75 micron polyester film	Normal 5.8 kgf/cm² High Temp 6.2 kgf/cm² Initial 5.3 kgf/cm² Low Temp 5.1 kgf/cm²		
Temperature Resistance  Temperature measurement bonding tape at room temperature & for 1 hour with a weight - 500g & in an oven. Increase of temperature 3°C every 5 min & record falling temperature. Substrate: Stainless Steel Tape Width: 20mm x 20mm Backing: 75 micron polyester tape	Test Rate = 120°C Range: - 40°C to + 120°C & 149°C (for short periods)  Note: All installation instructions must be followed to ensure correct tape to surface bond.		
Storage Temperature	12°C to 25°C - not in direct sunlight.		
Shelf Life	12 Months - from date of manufacture.		
Roll Size	33 meter length (widths slit to order)		

Slit to various width sizes as required.

## 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 fibers 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.

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](http://www.tapespec.co.nz) Advanced Tape Application Guide.



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