tapespec
NEW ZEALAND TAPE SPECIALISTS

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HIGH BOND MODIFIED ACRYLIC ADHESIVE

PRODUCT DATA SHEET

1400
DOUBLE SIDED POLYESTER HIGH TACK MODIFIED ACRYLIC

DESCRIPTION

The 1400 is a Premium grade Double Sided consisting of a clear polyester film, coated both sides with a modified solvent acrylic adhesive. Designed to permanently bond to various High and Low Surface Energy substrates, once applied correctly.

ADHESIVE	MODIFIED SOLVENT ACRYLIC
CARRIER	CLEAR POLYESTER FILM
RELEASE LINER	PE PLASTIC

FEATURES

EXCELLENT CHEMICAL, SOLVENT & HUMIDITY RESISTANCE
Very good resistance to chemicals, solvents and humidity.

EXCELLENT UV RESISTANCE
Excellent UV resistant properties.

EXCELLENT LONG LIFE
Excellent long life durability when attached to metal, plastics & high surface energy substrates.

EXCELLENT SHEAR STRENGTH
Its highly shear- resistant adhesive has an excellent durability when attached to low energy surfaces.

ROHS & REACH COMPLIANT
Complies with RoHs and REACH standards.

EXTREME TEMPERATURES RESISTANCE
Has very good resistance against extreme temperatures (- 40°c to +120°c, for short periods up to +160°c).

TYPICAL APPLICATIONS

- Self Adhesive mounting of plastic, rubber and EPDM profiles & gaskets.
- Used for the secure attachment of truck and car mirrors in plastic housings.
- Excellent self adhesive attachment for metal & plastic trim, covers & cable trunking.
- Used for the joining & splicing of various films & textiles where high shear is important.
- Excellent for attaching decorative profiles & mouldings, nameplates & acrylic signs.
- Extra high bond to all HSE - High Surface Energy materials.
- Very Good bond life to LSE - Low Surface Energy materials.

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.

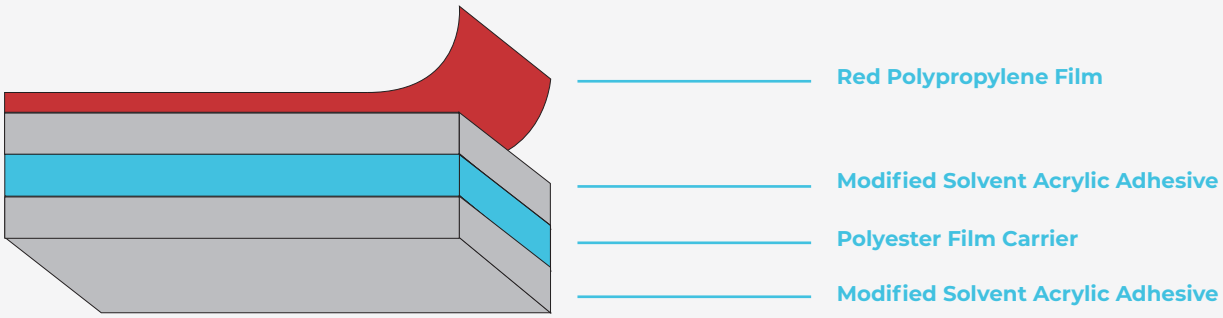
PRODUCT

DOUBLE SIDED
POLYESTER HIGH TACK
MODIFIED ACRYLIC

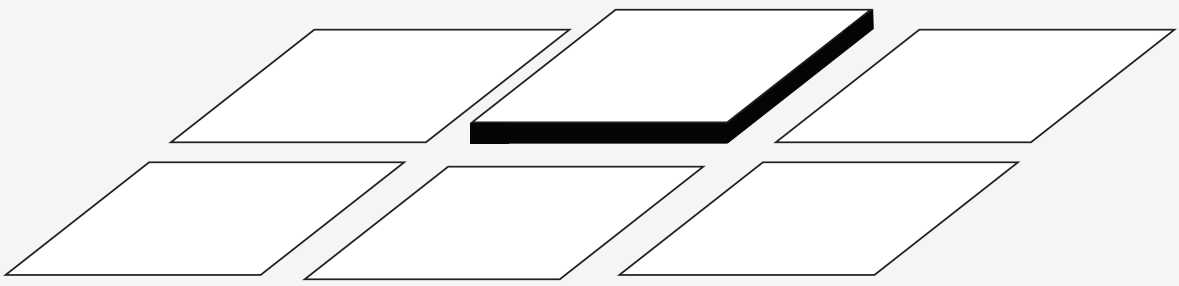
Note: Testing is always recommended on all surfaces for suitability.

A primer system maybe required for bonding to LSE substrates. Rolls can slit to various width sizes to suit the application.

TAPE STRUCTURE



DIECUTTING



Suitable for die cutting applications - contact tapespec for further details.

TECHNICAL INFORMATION

Carrier	Polyester film
Colour	Very Good Transparency (Clear)
Liner	Polypropylene film Salmon red
Adhesive	Modified solvent acrylate (high bond)
Adhesion Test 180 degree peel on stainless steel, one side covered with 25 microns polyester film. Tape width: 25 mm , Speed: 300+/- 10mm / Min.	SUS 2300 gf/25mm PC 2000 gf/25mm GLASS 2500 gf/25mm
Dynamic Shear, on stainless steel, one side covered with 75 microns polyester film. Tape width: 10x10mm , Speed: 200+/- 10mm / Min.	Room Temperature 5.4 kgf/cm2
Thickness (adhesive and carrier)	200 microns
Minimum application temperature	15°C
Temperature resistance	-40°C to +120°C for short periods up to +160°C
Resistance to solvents and chemicals	With expert application resistant to most oils, grease, fuels, aliphatic solvents, weak acids, salts and alkalies
Shelf Life	2 years (at 20°C and 50% relative humidity)
Roll size	Rolls can slit to required width sizes x 50 m length.

Slit to various width sizes as required.

SIMILAR PRODUCTS

- 5139 - Clear polyester acrylic adhesive.
  Thickness: 0.16mm
- Orafol 3331 - White PVC acrylic adhesive.
  Thickness: 0.23mm
- Orafol 1397 – Clear Polyester acrylic adhesive.
  Thickness: 0.21mm

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 clean-ers are recommended including isopropanol alcohol (mixed 50/50 with clean water). 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.

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_Advanced Tape Application Guide.