

ORAFILM TRANSFER TAPE

PRODUCT DATA SHEET

1377 ORAFILM TRANSFER TAPE

DESCRIPTION

The ORAFILM 1377 is made from a highly transparent pure acrylic adhesive with an excellent resistance to ultraviolet radiation enabling this tape to perform in extreme conditions. It is specially designed to withstand extreme temperatures, chemicals, solvents and humidity and is extremely durable on metal, varnish and high energy surfaces.



ADHESIVE	SOLVENT ACRYLIC
RELEASE LINER	BROWN SILICONE PAPER

FEATURES



HIGH SHEAR, INITIAL ADHESION & STRENGTH

High shear, high initial adhesion and adhesive strength.



EXCELLENT UV & WEATHER RESISTANCE

Excellent resistance to UV and weather.



CHEMICAL, HUMIDITY & SOLVENT RESISTANCE

Resistant to chemicals, solvents and humidity.



EXCELLENT TEMPERATURE RESISTANCE

Excellent temperature resistance - up to 200°C for short periods.



REGULATION COMPLIANT

Meets REACH Regulations (EC) No 1907/2006.
Meets ROHS Regulations Directive 2011/65/EU ("RoHS 3", last amended by (EU) 2021/1980). According to the Regulation (EC) no. 1005/2009, the product does not contain the therein-listed substances, which depletes the ozone layer.



HIGH QUALITY - ORAFOL (GERMAN MADE)

Made in Germany by ORAFOL one of the world's leading self adhesive tape innovators and manufactures.

TYPICAL APPLICATIONS

- Ideal bonding solution for low surface energy coatings & plastics - such as PE & PP.
- Excellent for foams & materials requiring a very high adhesive strength.
- Used to mount Polypropylene & Polycarbonate sheets & graphic overlays.
- Suited for metal & plastic nameplates, decals & fascia panels for the electronics, sign and display industries.
- For adhesion to slightly rough & smooth or stamped surfaces either LSE or HSE (Low / High surface energy).
- Suitable for most powder coated or lightly oiled surfaces.
- A thinner version is available at 60 microns code number 1375.
- NOTE: Tape to surface testing is always recommended to assess suitability to application.

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.

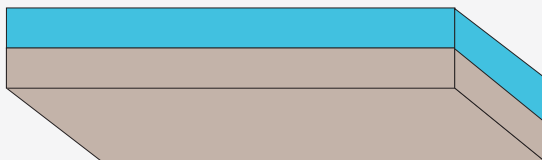


PRODUCT

ORAFILM 1377 TRANSFER TAPE

Available Thicknesses: 120 Microns

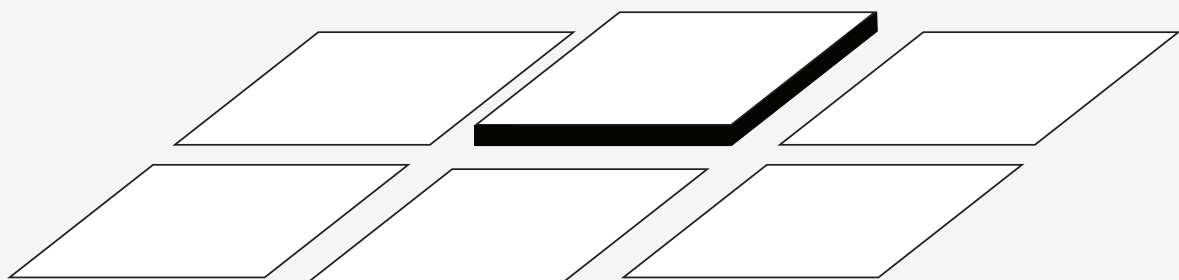
TAPE STRUCTURE



Special Modified Solvent Acrylic Adhesive

Brown Silicone Release Paper (ORAFOL Branded)

DIECUTTING



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

TECHNICAL INFORMATION

Adhesive	Pure Acrylic
Liner	Brown paper, both sides coated with silicone
Thickness	120 microns
Adhesive power (FINAT TM 1 - on stainless steel, one side covered with 50 microns polyester film)	1 minute - 17 N/25 mm 20 minutes - 22 N/25 mm 24 hours - 24 N/25 mm
Shear Strength (FINAT TM 8 - on stainless steel, one side covered with 50 microns polyester film)	23°C > 1000 hrs 70°C > 72 hr Minimum application temperature >15°C
Temperature resistance	-40°C to +170°C (short term +200°C)
Shelf life (at 20°C and 50% relative humidity)	2 years
Rolls can slit to required width sizes x 50 m length	

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 Advanced Tape Application Guide.