

Adhesive Specialities

An ISO 9001:2018 Certified Company

Manufacturer of Specialized adhesive tapes and die cuts

Tapes for Paint & Coating Industry

Adhesive Specialities was a dream incorporated in 2001 by like-minded people to become a preferred manufacturer of Sun Brand Pressure Sensitive Adhesive Tapes with a 100% commitment to quality and reliability.

The journey over the years has helped us excel in offering customized solutions according to industry and customer-specific needs. The company's 60,000 sq.ft. constructed areas are an ISO certified and ROHS compliant facility equipped with three coating lines, auto rewinding & slitting machines which are well-supported with the state-of-the-art testing and R&D laboratory, die-cut making section, inhouse adhesive making facility and a well-trained work force.

Adhesive Specialities offers an extensive range of tapes in different materials – cloth, film and paper, all of which offer ease of use and clean removal – to address the many uses of masking tapes.

Applications as follows:

- ❖ General purpose masking
- ❖ Wet painting
- ❖ Stenciling
- ❖ Stoving
- ❖ Spray painting
- ❖ Sandblasting
- ❖ High temperature masking applications
- ❖ Powder coating
- ❖ Electroplating
- ❖ Anodizing applications

Cross Hatch Tester Tape

- ❖ ASTM D3359 Compliant.
- ❖ Used for paint adhesion testing.

How to complete an adhesion test

1. Place the cutting edge on the cross hatch adhesion tester on the desired surface
2. Press down gently onto the area, pulling the adhesion tester towards you in one fluid movement to make a series of steady, parallel cuts along the area approximately 20cm long
3. Place the cross hatch adhesion tester at a 90 degree angle to the first cut and repeat step 2, creating a lattice pattern onto the surface coating
4. Brush the area lightly along the lattice to get rid of any loose debris
Inspect area to see if the cuts have penetrated through the coating
5. Remove and discard 2 complete turns of the adhesive tape.
6. Remove an additional length of tape approximately 75mm from this length
7. Place this cut piece of tape in the centre of the lattice, remembering to smooth it down with your finger and rubbing firmly with your nail to create a good adhesion application between the tape and coating
8. Within 5 minutes of applying the tape, pull it off with one smooth movement at approximately 1 second at a 60 degree angle to the surface
9. With tape, apply to a transparent film to maintain a permanent record
10. Access the coating adhesion by viewing the lattice cuts in good lighting and compare these cuts to the ISO/JIS standards table.



Masking Tape General Purpose and High Temperature



Applications and features:

- ❖ Adhesive Specialities offers a wide range of choice in crepe paper masking tapes.
- ❖ Temperature range 60 C to 180 C celc
- ❖ General purpose
- ❖ Industrial applications.
- ❖ Automotive industry.
- ❖ Chemical resistant & high temperature masking solutions.
- ❖ Masking for indoor painting.
- ❖ Masking in furniture industry.

Coloured Masking Tape

Applications and features:

- ❖ The tape is coated with solvent acrylic adhesive.
- ❖ For interior and exterior masking of multiple surfaces, such as painted walls, glass, vinyl, metal and wood, when easy, no-residue removal is a must
- ❖ It is also known as painter's masking tape.
- ❖ Residue free even on glossy surfaces.
- ❖ Standard colours available: Green & Blue



Polyester Tape-Powder Coating Tape

Application and Features:

- ❖ High grade Silicon adhesive
- ❖ Moisture resistant
- ❖ Chemicals and solvents resistant
- ❖ Abrasion resistant
- ❖ Good shear resistant
- ❖ Outstanding dielectric strength
- ❖ Clean removal without residue
- ❖ Outstanding dielectric strength
- ❖ High tack
- ❖ Excellent ageing and weathering properties
- ❖ Used as high Temperature Masking during powder coating applications, PCB manufacturing, chemical etching

Application and features:

- ❖ In aerospace field for flash breaker
- ❖ Splicing of silicon coated paper
- ❖ Available in Green, Blue and Red Colors
- ❖ Thickness:1 and 2mil



Masking Liquid



Applications and features:

- ❖ Sun Brand liquid masking line offers peel-able coating that provides temporary protection or long-term preservation of floor, walls & ceilings in paint booths.
- ❖ Apply liquid by spraying, paint roller or brush and leave it to dry.
- ❖ Can be simply peeled off when not required without any damage to substrate surface.
- ❖ Liquid Masking is available in different variants namely:
 - High Temperature Liquid Masking.
 - Boot Coat Liquid Masking

Masking Crepe Paper



- ❖ Masking paper is saturated crepe paper.
- ❖ Used in manufacturing of masking & eazy masking tapes.
- ❖ Available in various colours & thickness as per customer specifications.

Fine Line Masking Tape

Applications and features:

- ❖ Adhesive & backing material works together to reduce paint seepage to a minimum.
- ❖ The conformable backing is designed for uniform stretching to help create better paint lines.
- ❖ Smooth trimmed edges creates a continuous paint line.
- ❖ Can be used successfully with most solvent or water based paint systems.
- ❖ Excellent choice for automotive dual tone paint spraying.
- ❖ * Available in blue, green & white colours.



Die Cuts

Applications:

- ❖ EMI Shielding
- ❖ Flex Connectors
- ❖ Thermal Management
- ❖ Foil tapes
- ❖ Masking Discs
- ❖ Solar panel Tapes
- ❖ Electroplating, anodizing
- ❖ Polyimide die cuts
- ❖ Sand blast masking
- ❖ Masking during paint applications
- ❖ Antistatic masking
- ❖ Die cut frames
- ❖ Speciality shapes
- ❖ Polyester die cuts
- ❖ Vin Plate masking
- ❖ Insulated pre forms
- ❖ Powder coat masking
- ❖ Foam die cuts
- ❖ Copper pre forms

Sand Blasting Stencil

Applications and features:

- ❖ Excellent for hand-cut and die-cut operations.
- ❖ Excellent sand blast resistance – withstands heavy blasting to create crisper, deeper images.
- ❖ Versatile adhesive is excellent for a variety of surfaces yet still removes cleanly
- ❖ Used in a variety of application methods including hand-cut, die-cut, flatbed and friction fed



PVC Electroplating Tape

Application and features:

- ❖ Sun Brand Electroplating tape is vinyl backed tape with a rubber adhesive.
- ❖ Excellent resistance to most chemicals used in typical electroplating operations
- ❖ Abrasion, moisture and wear resistant to withstand rugged working conditions
- ❖ Non-corrosive, flexible vinyl backing is conformable to adapt to irregular surfaces
- ❖ Ideal for use with plating chemicals, electroplating nickel, electroless nickel, milling and etching in titanium and peening operations.
- ❖ Designed for use with PCB terminal zone contacts during plating; as a protection tape for shot peening
- ❖ Durable and Highly Resistant to Oil, Acid, Alkaline and Corrosive Chemicals.



Easy Masking Tape

Applications and features:

- ❖ Easy Masking Tape is made with various different substrates as per customer specification and is laminated with masking tape on top or on top and bottom.
- ❖ The plastic lip also makes it easier to insert, thereby saving time with masking tasks.
- ❖ Best for auto body painting.
- ❖ Quicker to apply than conventional products.
- ❖ High quality masking film covers and protect surfaces from paint, dust and oil spray.
- ❖ Used for waterproofing, shading and shielding etc.
- ❖ Now can mask your windows, walls, furniture, appliances, almirah and car etc.



Washi Tape-Tissue Masking Tape

Applications and features:

- ❖ Washi tape is a high-quality masking tape made of rice paper.
- ❖ Provides best fine line in paper masking tapes.
- ❖ Used for any masking application up to 130°C.
- ❖ Hand tear able.
- ❖ Residue free.
- ❖ Provisional fixation and packaging.
- ❖ Masking of vehicle, car, building, etc.

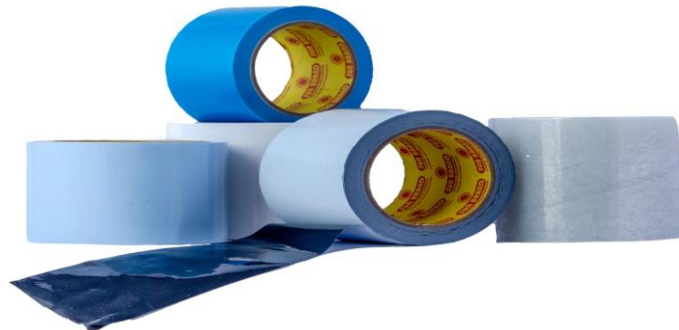


Surface Protection Tape

Adhesive Specialities offers a wide range of surface protection tapes in order to protect surfaces from scratches, damages, dust and dirt. We can make SPT in a wide variety of adhesives like Solvent acrylic, Rubber based and Acrylic Emulsion.

Applications and features:

- ❖ Dashboard Applications
- ❖ Auto bodyguard
- ❖ Carpet Applications



Applications and features:

- ❖ Suitable for many types of the surface (Metal, glass, plastic, Optic lenses, decorative laminate, stone, carpet, coated surface like auto parts etc.)
- ❖ Works on different texture of the surface (Smooth / Glossy, Matte / Embossed).
- ❖ Range of backing material (LLDPE, PET,PVC, PE).
- ❖ External factors which might affect the surface protection tapes (UV, sunlight exposure, extreme temperatures, chemical exposure).
- ❖ Duration for which protection is required.
- ❖ Reason for protection of surface (abrasion, smudging, scratches).
- ❖ Residue free.
- ❖ Water Resistant.
- ❖ Printing can be done as per request

Cotton Cloth Tape



Applications and features:

- ❖ Suitable for protection masking during sandblasting.
- ❖ Cable bundling
- ❖ Textile screen printing
- ❖ High Temperature Masking properties
- ❖ Double glazing edges protection.
- ❖ Edging of pieces in leatherwork.
- ❖ Excellent waterproof properties.
- ❖ Ideal for book binding
- ❖ Flexible and highly conformable
- ❖ Available in Black and White colours

Glass Cloth Tape

Glass Cloth backing is coated with high grade adhesives like acrylic, thermosetting rubber and silicone adhesives.



Applications and features:

- ❖ Provides F or H class insulation.
- ❖ High temperature resistant ranging from 150 °C to 400 °C.
- ❖ High adhesion & abrasion resistant.
- ❖ Flame retardant property.
- ❖ High mechanical strength.
- ❖ Permanent sealing of high temperature ducts & chambers.
- ❖ Used as high temperature masking.
- ❖ Used in Aircraft window sealing & many other uses.

Aluminum Foil Tape

Adhesive Specialities provides wide range of Aluminum Foil Tapes with various adhesives like hotmelt, solvent, silicone & acrylic emulsion.



Applications and features:

- ❖ High & low temperature resistance.
- ❖ Used for general purpose holding, patching, sealing application – indoor & outdoor.
- ❖ Suitable for joining of foil faced fiberglass or duct board joints.
- ❖ Ideal for joining & sealing in HVAC application.
- ❖ Closing of rigid air duct insulation & shafts.
- ❖ EMI/RFI shielding for motors, cables, cabinets, antennae & components (splatter masking).
- ❖ Available in 30 mic, 50 mic, 100 mic & 150 mic thicknesses.
- ❖ With and without liner

Rayon Tape

Applications and features:

- ❖ Does not contain heavy metals and halogens.
- ❖ Self-extinguishing.
- ❖ Wrapping of automotive electrical wiring harnesses.
- ❖ Used in core insulation in relay transformer solenoid coils.
- ❖ General insulation.
- ❖ Coil winding and holding wires and in light motors.
- ❖ Hand tear able make easy for hand applications



Polyimide Tape

Applications and features:

- ❖ Wide temperature range as low as -269°C and as high as 400 C
- ❖ Excellent dielectric strength
- ❖ Remove cleanly leaving no residue
- ❖ Very high temperature mask during powder coating, anodizing, etching applications.
- ❖ Ideal for wave soldering
- ❖ Used in automobile industry for wrapping switches, diaphragms, manifolds, sensors and coils in seat heaters.
- ❖ Used to mask circuit board
- ❖ In circuit board construction
- ❖ In aerospace industry for insulation of aircraft and spacecraft wings.
- ❖ Very high temperature mask during powder coating & anodizing applications.

Applications and features:

- ❖ In electrical applications where static is an issue.
- ❖ In Fiber Optics Cable
- ❖ In semiconductor manufacturing
- ❖ In 3D printing
- ❖ Available with silicon and acrylic adhesives.
- ❖ Thickness: 1mil ,2mil film
- ❖ Available in in die cut and roll forms



Testex Tape

Applications and features:

- ❖ Testex tape is used for measuring blasted surface profiles known in industry as press-o-film or replica tape.
- ❖ By placing the tape on the surface and rubbing over it, the Rt (total roughness) or peak-to-valley height of the profile can be taken and then measured with a film thickness meter.
- ❖ Consists of a layer of compressible foam affixed to an incompressible polyester substrate.
- ❖ When pressed against a roughened/grit blasted (steel) surface, the foam collapses acquiring an impression of the surface.
- ❖ One box of Testex contains tape for 50 measurements.



Duct Tape

Cloth Duct Tape is manufactured with polyethylene film over cloth scrim and is coated with rubber and HOTMELT adhesives, it is also known as gaffers' tape.



Application and features:

- ❖ Strong adhesion and easy tear properties.
- ❖ The polyethylene coated cloth scrim is moisture resistant to ensure prolong tape bonding with surface.
- ❖ Gives good holding power
- ❖ Used in patching, reinforcing, bundling, sealing, splicing, ducting, packaging and high temperature applications
- ❖ k
- ❖ A
- ❖ Available in silver, black and any other colour on special request