

# *Adhesive Specialities*

**An ISO 9001:2018 Certified Company**

**Manufacturer of Specialized adhesive tapes and die cuts**

*Tapes for Automotive 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 provides a wide range high-performance solutions to the automotive industry. For a long time we have been working with design engineers to meet the specific requirements for their end use products in the automotive industry. Applications of our adhesive tape and die cuts in the automotive industry include:

- Masking
- Automotive electronics
- Security labeling
- Hole covering
- Attachment part mounting
- Wire harnessing
- Interior mounting
- Mirror assembling
- Surface protection
- Cable mounting



# 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.

# 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

# 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.



# 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.

# 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.

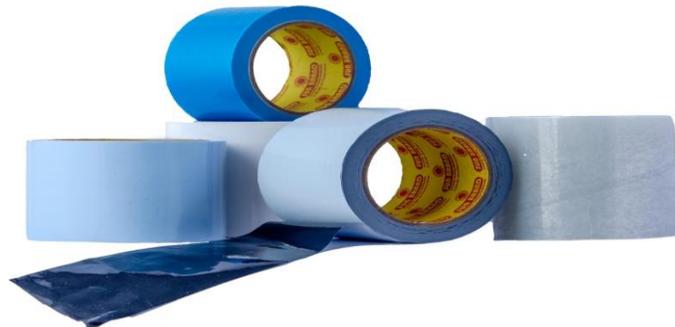


# Surface Protection Tape

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

# 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



# 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

# 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.



# 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

# Cellulose Tape

Cellulose Tape, produced from biodegradable cellophane film. Its reputation in the market is achieved from the high quality film which is easy to be torn by hand as well as the efficient rubber-based adhesive coating.

## Application and Features:

- ❖ Ideal for general sealing, packing, fixing, and mending applications.
- ❖ Excellent for L-clip closure, attaching, tabbing and holding
- ❖ Ideal for light packaging, sealing and splicing applications.
- ❖ Used for masking in graphic designers.
- ❖ Uses where biodegradable tape is required.
- ❖ Available in shrink pack, paper box, and tin box.



# Commercial Graphic Reflective Tape

## Applications and features:

- ❖ Commercial grade reflective tape acts as a reflective material that bounces the light back out in different directions.
- ❖ Used for traffic sign material that provides information to the vehicular & pedestrian of various traffic situations.
- ❖ Suitable for car license plating because very good clarity.
- ❖ Used as personal safety & fashion accessory on clothes for joggers, cyclists & fashionistas.
- ❖ Ideal for reflective safety solutions for mining, construction, firefighting, oil & gas fields.



# Reflective Tape



## Applications and features:

- ❖ Retro-reflective tape is made with tens of thousands of tiny glass beads that reflect light and sends a focused image directly back to the original light source.
- ❖ High counter-reflective ability, high visualization.
- ❖ Excellent extensibility, good stickiness, high brightness.
- ❖ Providing guidelines for retro-reflective markings of heavy goods vehicle trailers, cars, buses etc. and road cone.
- ❖ Available in White/Red, white, red, golden yellow, colours.

# Sticky Mat

## Applications and features:

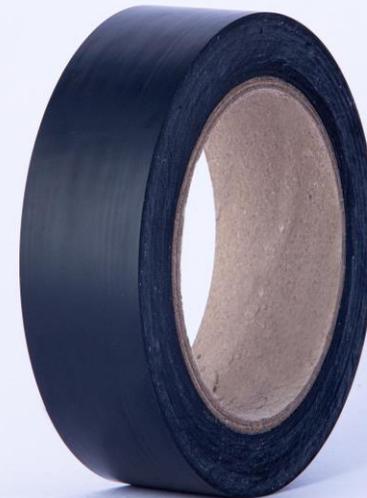
- ❖ Sticky Mat is dust, dirt absorbing pad to use at the clean room's entrance, walkways etc.
- ❖ Peel-off sheets eliminate the need for messy cleaning and makes it easy to maintain a clean surface.
- ❖ Traps dirt off the feet.
- ❖ To be placed at areas like automotive, aerospace, hospitals, biotech, pharmaceutical, construction, photography, warehouses, server rooms, semiconductor etc.



# Wire Harness Tape

## Application and features:

- ❖ Wire Harness Tape is electrical self-extinguishing soft PVC tape that uses an aggressive pressure sensitive rubber-based adhesive system.
- ❖ It has been designed for use where a recognised specification or international standard is required and where environmental safety is a concern.
- ❖ Good resistance to abrasion, corrosion and moisture.
- ❖ High dielectric strength and good mechanical protection.
- ❖ Outstanding conformability.
- ❖ Flame retardant.
- ❖ Tape can be applied at low temperature (till  $-10^{\circ}\text{C}$ ).
- ❖ Hand application.
- ❖ Primary electrical insulation.
- ❖ Harnessing applications for the Automotive Industries.
- ❖ Protection for low and medium voltage cable splices



# Acrylic Foam Tape

## Features and applications:

- ❖ Bonding of similar and dissimilar surfaces
- ❖ Suitable for indoor and outdoor applications
- ❖ Alternative to screws, reverts, nails or any liquid adhesive
- ❖ Designed for high and low surface energy bonding
- ❖ Mounting heat sink, fan or heat spreader to IC packages & components.
- ❖ Special Primer is available for better bonding
- ❖ Available color and thickness: Clear -0.5mm and 1.0m  
Gray-0.8mm, 1.2mm, 1.5mm and 2mm  
Black-0,4mm



# Non Woven Cloth Tape



## Applications and features:

- ❖ Non Woven Cloth Tape is also known in various industries as Air Vent tape.
- ❖ Conformable properties of the carrier makes it ideal for rough, uneven or curved surface and corner bonding.
- ❖ It can be used for narrow frames, bezels or name-plate mounting, plastics, metal, foam bonding and general bonding in automobile seat manufacturing unit.

# PE Foam Tape

We provide the best range of Single sided coated and double side coated PE Foam Tapes with Hotmelt and Acrylic adhesives. Different available



## Applications and Features:

- ❖ Ideal for indoor use
- ❖ Using a high-performance adhesive an economical solution to seal doors
- ❖ Conformable foam backing to compensate design tolerances or uneven surfaces
- ❖ Used in printing, hook manufacturing and skirting applications
- ❖ Does not emit toxic fumes when burnt
- ❖ Flame retardant
- ❖ Available in a variety of widths and thicknesses and one side or double sided coated.
- ❖ Permanent mounting of emblems and letters; e.g. single letters for classification of car model or engine data.
- ❖ Paper and Pe liners

# 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



# Polyimide Tape

## Applications and features:

- ❖ Wide temperature range as low as  $-269^{\circ}\text{C}$  and as high as  $400\text{ C}$
- ❖ 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



# Lane Marking Tape

Lane Marking Tape known as Hazard Tapes, Floor Marking Tape, social distancing tape is with excellent adhesion, tack and good cohesion strength.



## Applications and features:

- ❖ Faster & easier to install & replace
- ❖ Used for marking hazards and aisles
- ❖ Applicable to ground, walkway and pipeline winding markings.
- ❖ Suitable for Color-coding
- ❖ Excellent adhesion, tack and good cohesion strength.
- ❖ Available colours are: Yellow & Black, Black& White, Green& White, Black, Orange, Red, Green, Yellow, White, Blue

# Lamination Tape



## Applications and features:

- ❖ Different finishing options like matte, glossy
- ❖ Used for holding negatives while developing films
- ❖ Picture lamination
- ❖ Protection of packaging
- ❖ Permanent paper mending applications.

# 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.

# 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.



# Antiskid Tape

## Applications and features:

- ❖ Anti skid tape is made of slip resistant material to reduce the risk of slipping.
- ❖ Excellent durability as Adhesive Specialities ensures 80 poise of anti-skid particles for every square inch.
- ❖ Anti Skid or Slip Tape is designed to enhance & maintain assurance of safety in slippery areas of the building.
- ❖ Available in Black, Clear & Yellow/Black colours.



# 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

# EPDM Foam Tape



## Applications and features:

- ❖ EPDM foam tape is also known as Glazing Tape.
- ❖ The tape comes with smooth finish & is durable.
- ❖ Has the ability to dissipate the stresses.
- ❖ Heat resistant.
- ❖ Used to seal the area between the glass panels and window sash or door frame to prevent water & air leaks.
- ❖ Used in gasket application.
- ❖ Available in roll form & die-cut forms and thicknesses.

# 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