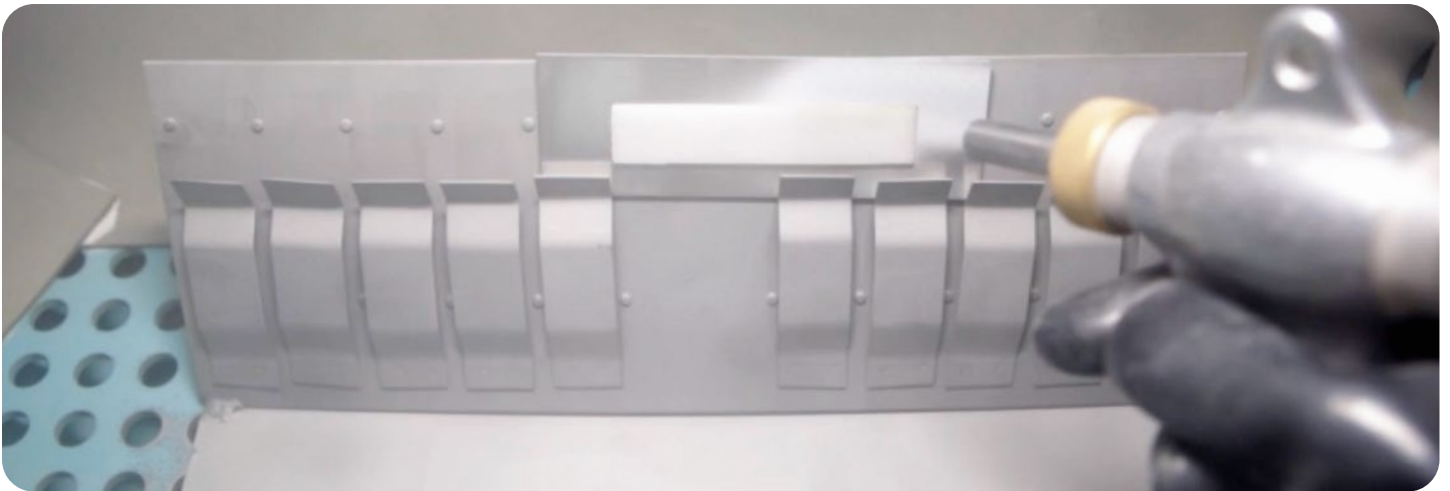


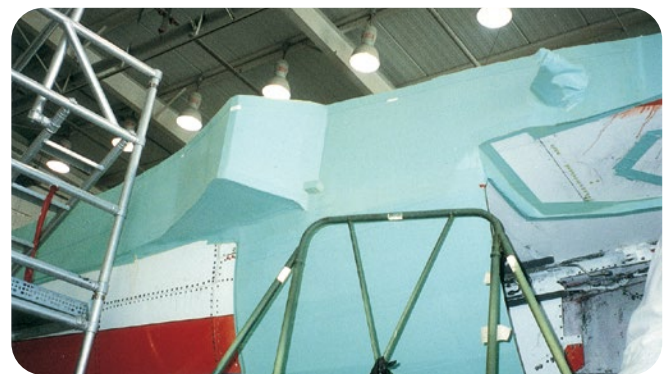
3M Application Profile: Mechanical Blasting (Plastic, Bead, Shot, etc.)



3M™ Impact Stripping tape can help protect surfaces from abrasive sandblasting processes.

Application Description:

Abrasive media (plastic, bead, shot, etc) is pneumatically propelled at a part at high speed through a blasting nozzle. This process is used to smooth imperfections, add texture(s), or to remove rust, paint, and other contaminants from a part's surface. Tape provides temporary protection against impact from the aggressive media blasted at the part.



3M™ Impact Stripping Tape 500 can be used to protect large surfaces during a blasting process such as for the painted ship hull shown here.

Application Benefit:

- Mechanical stripping methods, such as abrasion blasting, provide more inert means of surface modifications that do not run the risk of potential reaction(s) with the surface and/or materials that the blasting medium comes into contact with compared to chemical stripping. Abrasion blasting removes imperfections of a surface, as well as increases anchorage of secondary coatings. Process can also be used to enhance product strength in certain situations

Engineered Industrial Tapes

For Aerospace, Automotive,
Electronics and General Industrial

Key Application Requirements:

- Tape not only resists abrasion and impact against materials being propelled against it, but must also remove cleanly after use

Tape Benefits:

- **Fast, clean removal:** Reduces time required to remove and/or clean surface after use
- **One piece removal:** Less time or challenge to remove from a surface, with fewest pieces
- **Minimum rework:** Protection of parts means less rework and labor required to improve surface
- **Easy to apply/Immediate use:** No need to create a hard mask that is part specific, takes up valuable storage space, and can be expensive to make. Tape can be easily applied manually
- **Conformability:** Ability to curve around complex shapes, geometries, and non-uniform surfaces, reaching difficult to mask areas
- **Customizable (Lined product):** Able to quickly and easily create shapes or sizes that are part specific

Products	
3M™ Impact Stripping Tape 528	
3M™ Impact Stripping Tape 500	
3M™ Electroplating Tape 470	
3M™ Durable Floor Marking Tape 971/971L	
3M™ Performance Plus Duct Tape 8979	
Additional Applications	
Aerospace	Shot peening
Electronics	Grinding flat screens
General Industrial	Metal paint stripping



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