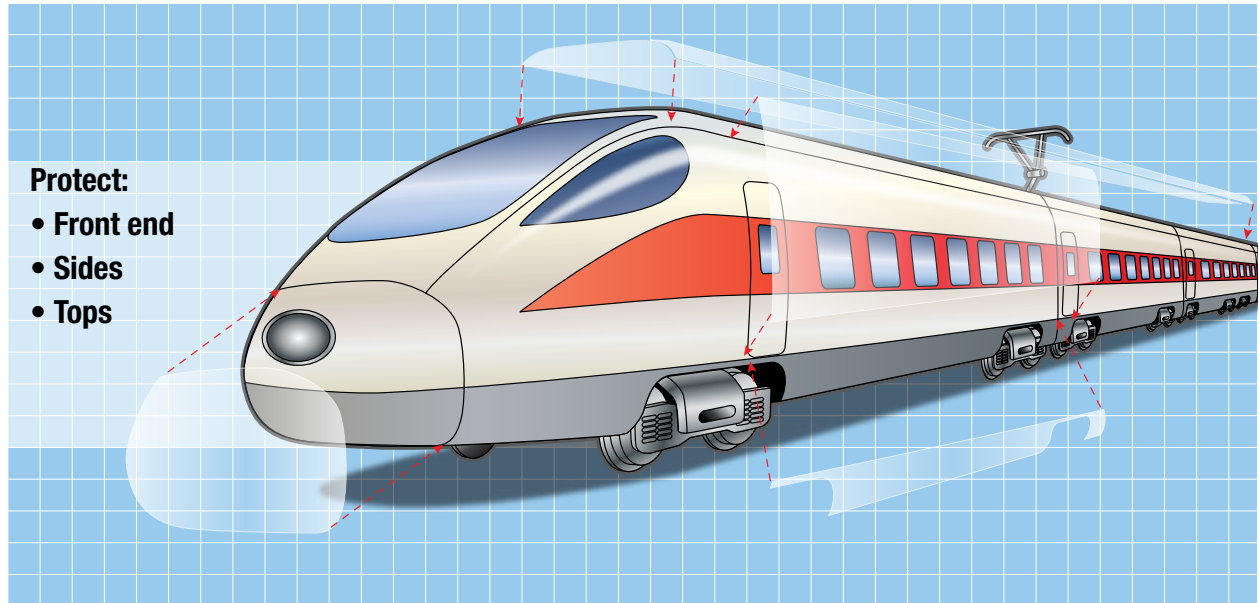


3M Application Concept

Market: Passenger Rail

Application Description: Long-term abrasion and corrosion resistance to protect exterior surfaces of passenger trains, including the end, skirts and roof.



Key Application Requirements

Film needs to hold reliably to a variety of surfaces, such as glass, steel, aluminum and painted metals. Needs to be long lasting, conformable and easy to install. Film should resist UV rays and create minimal change in surface appearance, even over extended periods of time.

Product or Process Replaced

Protective paints, coatings and/or vinyl films.

Benefits/Advantages to Customer

Engineered for durability:

Resists damage from abrasion—commonly caused by rocks, tree branches and other debris—chemicals, tears, punctures and galvanic corrosion. Maintains a smooth, long-lasting surface on train exteriors including high-visibility areas.

Excellent backing transparency:

Allows for surface protection with minimal distortion of surface design and/or printed information beneath film.

Easy-release paper liner:

Enables die cutting for simple, streamlined application during or after manufacture.

Fully compatible with most paints:

Seamlessly applies over painted surfaces or can easily be painted.

UV resistant:

Withstands outdoor conditions.

PRODUCT

Flat and Curved Surfaces

3M™ Industrial Protective Film 7070UV

3M™ Industrial Protective Film 7071UV

Thermoformable for Complex Surfaces

3M™ Polyurethane Protective Tape 8673

3M™ Polyurethane Protective Tape 8674

3M Industrial Adhesives and Tapes Division

Related Applications

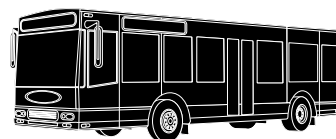
Surface protection on:



Delivery Trucks



Emergency Vehicles



Buses

Related Products

3M™ Temporary Surface Protection Tapes

3M™ Scotchgard™ Multi-Layer Protective Film

Key Decision Makers

Design Engineers, Quality Control Managers, Production Supervisors/Managers

For Additional Information

To request additional product information or to arrange for sales assistance, call 1-800-362-3550. Address correspondence to: 3M Industrial Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

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