

Exterior Solutions

How can 3M help you?

Contact 3M Automotive Division to see how we can help your business.

Our team of specialists are on hand to help solve your business issues and application requirements.

Interior

Exterior

Paintshop

Body in White

Powertrain

New Technology

Introduction

3M's Automotive Division is the market leader with products for attaching seals and exterior trim. Our technology for bonding creates new design freedom, reduces the weight of mounted components and represents an alternative to welding and mechanical fastening. This leads to higher quality and cost-effective production.

In addition to attachment, 3M offer a wide range of exterior solutions from film products, weight saving materials and new technology areas such as Illuminated Licence Plates.

The UK Automotive business is also accredited to ISO/TS16949:2002.

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www.3M-automotive.com

Attachment

- **3M™ Acrylic Foam Tape** - high performance, acrylic foam double sided tapes with a thickness from 0.4 to 3.2mm, are formulated for reliable bonding of trim parts. They seal, bridge tolerances, dampen vibrations, ensure uniform distribution of stresses and compensate for thermal expansion. Since the surfaces of the joining parts remain intact without welding and fastening, susceptibility to corrosion is significantly reduced.



- **3M™ Heat Activatable Tapes** - high performance tapes with heat activated adhesives ensure seals are securely bonded. They are applied to and bond elastomeric components and rubber profiles. By having a continuous bond this gives improved protection from external influences such as moisture, dust and noise. Self adhesive vehicle seals not only permit greater design freedom, but they also represent a cost effective alternative to mechanical fixing systems. Self adhesive seals can also be automatically mounted.



- **Pull Tabs** - are perfectly matched to automated application processes and ensure that protective liners can be quickly removed from tapes.
- **Adhesion Promoters** - adhesive primers are used to substantially increase the holding strength of an adhesive tape on critical surfaces.



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Weight Saving

- **3M™ Scotchlite™ Glass Bubbles** - can reduce the weight of plastic parts by up to 30%. The microscopic hollow glass spheres can be used in many interior and exterior applications including BSM's, seam sealer for the underbody and trim components. As well as reduced weight, benefits also include dimensional stability, thermal insulation and improved processing.



Film Products and Consumables

- **Paint Protection Film** - used to protect sensitive surfaces against scratches and stone chip damage.



- **Blackout Films / Paint Replacement Films** - incorporating microcomply technology to provide flexible and process friendly alternatives to paint and cladding.



- **Manufacturing Consumables** - effective systems for grinding, sanding, polishing, masking and wiping. From Body in White through to the Finesse-it™ system, 3M can help to repair and refine the surface – quickly and consistently.

Application equipment expertise

Through consulting in the development of application equipment, we can provide you with a broad range of positioning and contact pressure systems. This equipment is offered to you directly through our partners.

Technical Support - by using 3M's fully equipped application development laboratories, our team of experienced engineers can offer help in product selection, component design, process development, troubleshooting and training. Our laboratories are accredited to ISO/TS16949:2002.

New Technology

- **Illuminated Licence Plates** - the development of self illuminating licence plates opens up innovative design possibilities, reduces production costs and increases road safety. Since a registration plate that is illuminated from within can be integrated easier in the chassis, there are



no costs for mounting components. With the resulting space saving, new design possibilities for the luggage compartment can be realised.



- **High Black Gloss film for rubber** - a high gloss film to enhance the appearance of exterior trim. Application areas include glass surround, roof ditch moulding, beltline moulding and body sash trim.



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