

3M Application Profile: Aircraft Splicing & Sealing



3M™ Glass Cloth Tape 398FR is used for seaming airliner cargo panels where fire resistance is specified.

Application Description:

Glass cloth tape is used to seal panels in the cargo area of planes. Not only is the sealing done when the plane is built, but also during C-checks. During these bi-annual checks, most of a plane's interior is torn out, inspected, repaired then put back together.

Application Benefit:

- Seals and splices together thermal and acoustic panels when high adhesion and flame resistance is needed

Key Application Requirements:

- Durable, flame-retardant splicing tape that meets required government and aerospace industry regulations



A wider view of the aircraft cargo area.

Tape Benefits:

- **Excellent aging properties:**
3M pressure-sensitive acrylic adhesive provides superior adhesion levels to polyvinyl fluoride (PVF) panels and other surfaces for an extended period of time. The tape maintains adhesion in climate and temperature variability
- **Conformable and tough:** Conformable backing allows you to properly splice uneven panels while maintaining high durability so product can resist wear from heavy cargo traffic
- **FAR flammability compliance:**
3M™ Glass Cloth Tape 398FR offers superior protection as it exceeds industry flame retardant standards F.A.R. 25,853 (a) and 25,855 (d)
- **Aesthetics:** The tape's white color makes finished jobs look appealing

Products

3M™ Glass Cloth Tape 398FR

3M™ Glass Cloth Tape 398FRP
(backing printed with F.A.R. designation)



Industrial Adhesives and Tapes Division

3M Center, Building 225-3S-06
St. Paul, MN 55144-1000
Phone 800-362-3550

3M is a trademarks of 3M Company.
© 3M 2023. All rights reserved.
Please recycle.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

Product Selection and Use: Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE. If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price. Warranty claims must be made within one (1) year from the date of 3M's shipment.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: 3M industrial and occupational products are intended, labeled, and packaged for sale to trained industrial and occupational customers for workplace use. Unless specifically stated otherwise on the applicable product packaging or literature, these products are not intended, labeled, or packaged for sale to or use by consumers (e.g., for home, personal, primary or secondary school, recreational/sporting, or other uses not described in the applicable product packaging or literature), and must be selected and used in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations, and the user must take any action required under any recall, field action or other product use notice. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit www.3M.com[1].