

Flame-Retardant Self-Adhesive Felt for Railway Applications

EN45545-Certified Safety Solution for the Railway Industry



Why Choose Our Flame-Retardant Self-Adhesive Felt?

- **Certified Fire Protection** – Independently tested and compliant with EN45545, the European railway fire safety standard.
- **Low Smoke & Toxicity** – Ensures enhanced passenger safety by reducing smoke and toxic emissions in case of fire.
- **High-Performance Adhesion** – Designed for long-term durability and secure bonding in railway applications.
- **Noise & Vibration Reduction** – Absorbs impact and minimizes vibrations to enhance comfort and extend component lifespan.
- **Customizable Formats** – Available in rolls, sheets, die-cut shapes, or CNC-cut components for easy installation.

Applications in the Railway Sector

- **Interior Panels & Wall Coverings** – Improves fire safety and sound insulation in train compartments.
- **Sealing & Gaskets** – Used in door seals, ventilation systems, and joint reinforcements for added fire protection.
- **Acoustic Insulation & Noise Reduction** – Placed under floors, seats, or behind panels for passenger comfort.
- **Vibration & Shock Absorption** – Reduces mechanical stress in technical compartments and critical components.
- **Cable & Wire Protection** – Protects onboard electrical systems and minimizes fire risks.

Technical Features & Customization

- **Fire-Resistant Materials** – Developed with flame-retardant fibers for enhanced safety.
- **Self-Adhesive Backing** – Ensures quick and hassle-free installation.
- **Tailored to Your Needs** – Choose from various thicknesses, densities, and adhesive types.
- **Precision Processing** – Die-cutting, CNC cutting, laser cutting, laminating, and rewinding available.

Compliant & Certified for Railway Safety

Our flame-retardant self-adhesive felt is tested by an **independent laboratory** to ensure compliance with **EN45545**. Available in various grades to meet your **specific fire safety requirements** for railway vehicles.

EN45545 Compliance Certificates Available Upon Request.

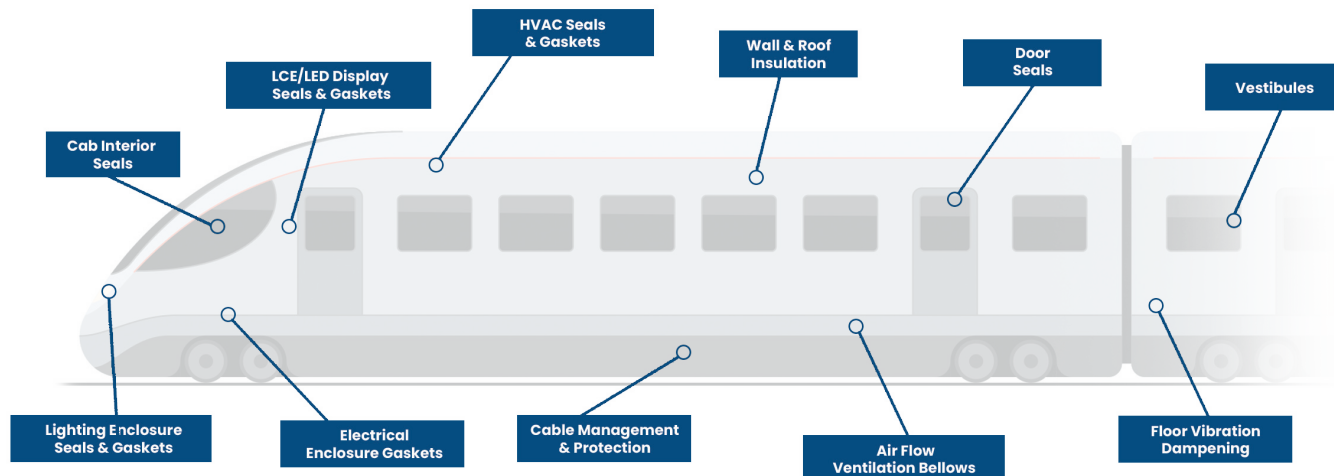


Need More Information or a Custom Solution?

Our team is ready to assist you with product recommendations, samples, and customized railway solutions.

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Technical Data & Certification

Our **Flame-Retardant Self-Adhesive Felt** has been rigorously tested according to international fire safety standards. Below are the details of its classification and performance in laboratory testing:

1 mm Felt

- Tested according to the following standards:
 - **ISO 5658-2:2006+A1:2011** – Spread of flame
 - **ISO 5659-2:2017** – Smoke density and toxicity
 - **ISO 5660-1:2015** – Heat release rate
 - **EN 45545-2:2013+A1:2015** – Fire protection for railway applications
- Classification:
 - **R1 at HL1, HL2, HL3** (highest performance level)

2 – 6 mm Felt

- Tested at 6mm
(as 2-3-4-5mm share the same technical construction):
 - **ISO 5658-2:2006+A1:2011** – Spread of flame
 - **ISO 5659-2:2017** – Smoke density and toxicity
 - **ISO 5660-1:2015** – Heat release rate
 - **EN 17084:2019-02** – Smoke toxicity in railway materials
 - **EN 45545-2:2013+A1:2015** – Fire protection for railway applications
- Classification:
 - **R1 at HL1, HL2**

Certified Safety for Railway Applications

With full **EN45545 compliance and international certification**, our flame-retardant self-adhesive felt provides superior **fire protection, safety, and durability** – an ideal choice for **modern railway infrastructure**.