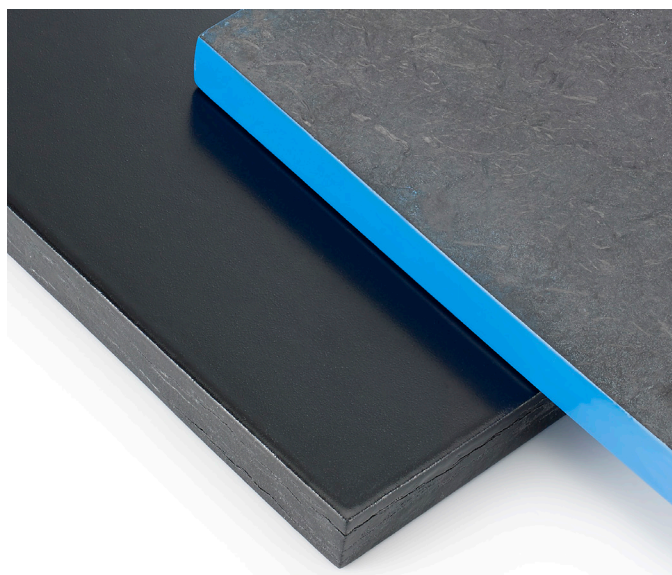


FR1500

Protection of equipment, infrastructure and people from fire is often a challenge, one strategy to reduce risk is to focus on prevention of fire propagation.

FR1500 is a unique lightweight, fire-resistance tested material, with a density of 1.28 g/cm³. Part of our protection materials range, FR1500 is flame-resistant to +1500 °C for up to 7 hours, with only trace smoke and toxicity emissions.

FR1500 is ideal for ultra-high temperature or increased fire risk applications, for example battery boxes in electric vehicles or automotive and aerospace firewall paneling.



Benefits

- Lightweight material
- Flame-resistant to +1500 °C
- Cryogenic performance rated to -192 °C
- Easy to transport and install
- Almost zero smoke and toxicity emissions
- Suitable for both new and upgrade applications
- Sheets can be bonded or mechanically fastened to cover large surface areas
- Easy to machine
- Fit and forget solution - requires no ongoing maintenance

Applications

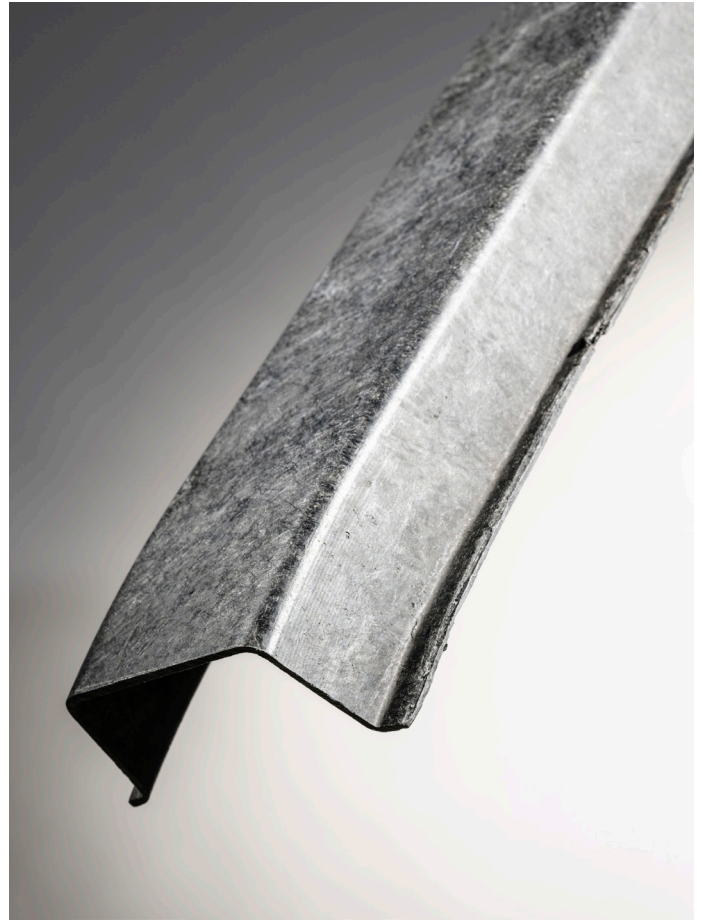
- Electric vehicle battery boxes and enclosures
- Lithium-ion fire protection
- Aerospace and automotive firewall paneling
- Engine protection
- Electronic equipment encasement
- Marine and shipbuilding on-deck paneling, doors and flooring
- Fire containment strategies

FR1500 is an engineered composite material, made from carbon fibers and a proprietary resin combination to deliver exceptional performance at thicknesses of 2mm, 5mm and 10mm sheets.

Easy to machine, bond and fasten using standard CNC-milling machines, FR1500 provides a lightweight solution that is easy to handle, transport and install.



Machined FR1500, as an overlapping bonded joint



FR1500 press molded for high volume production

Contact Us

Trelleborg Applied Technologies delivers innovative and reliable solutions, materials and smart systems that maximizes performance for our customers. Our vast range of specialized, customizable materials ensure peace of mind at every stage of your project. With reliable and efficient project management and manufacturing, we endeavor to take performance to new levels by achieving your goals safely, on time and within scope.



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