

Fire safety in railway vehicle manufacture

MAYWOflamm® plus meets the railway vehicle standard EN 45545-2:2013 + A1:2015

With our material MAYWOflamm® plus we offer you extruded sheets made of flame-retardant polycarbonate blend (PC blend). The sheets meet the

- requirement R1 and therefore R6 in
- hazard level HL2
- in the European railway vehicle standard EN 45545-2:2013 + A1:2015

Increased fire safety requirements

The standard, which entered into force in August 2013, has raised the bar much higher in terms of fire safety requirements in railway vehicles. In March 2016 it has entirely superseded the national norms, such as the German DIN 5510 standard.



Interior use in railway vehicles: MAYWOflamm® plus meets the new railway vehicle standard EN 45545-2:2013 + A1:2015.

Interior use

Requirement R1 is one of the most difficult to meet in respect of the test methods. It relates to components which are used inside railway vehicles. Examples:

- interior fittings: side panels, ceiling panels, partitions, seating shells
- luggage racks
- interior air ducts

Areas of application

MAYWOflamm® plus meets requirement R1 in hazard level HL2 and is therefore suitable for use as follows:

- for all surfaces in vehicles
- for the majority of vehicles designed to run on underground track sections and allowing for side evacuation

Properties

Sheets made of MAYWOflamm® plus are made specially for the vacuum forming industry and boast the following properties:

- fulfilment of R1/HL2 in EN 45545-2:2013 + A1:2015
- absence of halogens
- excellent thermal and mechanical characteristics
- very high resistance to corrosion

Production range | MAYWOflamm® plus

	Thickness	Width	Lengths
Sheets	2-4 mm	up to 2,400 mm	400 - 3,000 mm

Other dimensions on request.

Contact

info@roechling-maywo.de