



NEW

Fire safety in railway vehicle manufacture

MAYWOflamm® plus meets new railway vehicle standard EN 45545-2:2013

With the new material MAYWOflamm[®] plus Röchling Maywo is one of the first manufacturers to supply extruded sheets made of flame-retardant polycarbonate/acrylonitrile butadiene styrene (PC/ABS blend). The sheets meet

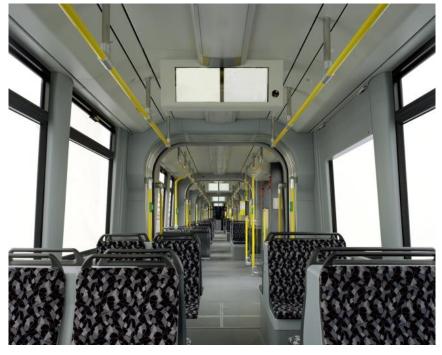
requirement R1 in

the

- hazard level HL2
- in the new European railway vehicle standard EN 45545-2:2013.

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 will entirely supersede 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

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
- 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 surface 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 drawing industry and boast the following properties:

- Fulfilment of R1/HL2 in EN 45545-2:2013
- Absence of halogens
- Excellent thermal and mechanical characteristics
- Very high resistance to corrosion and chemicals

Production range: MAYWOflamm[®] plus sheets can be supplied in

thicknesses of 2 ... 5 mm widths of up to 2500 mm elengths of 400 ... 3000 mm Other dimensions on request

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