



RÖCHLING



Complies with
UN/ECE R 118-02
Annex 6, 7, 8

Plastics for durable, high-quality bus interiors

Vacuum formable ABS and PC/ABS

- › MAYWOflamm® ECE
- › MAYWOflamm® ECE ST
- › Formaterm® PC/ABS professional



Bus industry

Vacuum formable plastics for durable, high-quality bus interiors

A bus only earns money when it is moving. As an operator, you want to increase the efficiency of your buses and reduce maintenance times. The key question is: How can passengers be carried to their destination quickly, reliably and safely? And likewise important: a comfortable ride. Satisfied passengers go hand-in-hand with the efficiency, safety and design of a bus. This is why constructors have to meet many requirements when developing their vehicles.

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Vacuum formable ABS and PC/ABS

MAYWOflamm® ECE , MAYWOflamm® ECE ST
and Formaterm® PC/ABS professional

We assist manufacturers in the development of safe and efficient buses with our plastics. With MAYWOflamm® ECE, MAYWOflamm® ECE ST and Formaterm® PC/ABS professional, we offer vacuum formable plastics specifically for producing

- safe and high-quality **interiors for buses**
- certified according to new European standard **ECE R 118-02, Annex 6, 7 and 8**



MAYWOflamm® ECE ,
MAYWOflamm® ECE ST and
Formaterm® PC/ABS professional:
Vacuum formable plastics for bus
interiors in coaches, long-distance
buses, city buses and public transport

Safe, durable and high-quality

**Bus interiors made of MAYWOflamm® ECE ,
MAYWOflamm® ECE ST and Formaterm® PC/ABS professional**



High passenger safety

- Flame-retardant – Complies with UN/ECE R 118-02 Annex 6, 7, 8
- Halogen-free, certified according to VDE standard 0472-815 of the VDE Testing and Certification Institute, Offenbach/Germany



High-quality appearance and perceptible ride comfort

Various surface textures and almost any colour available. Also available with soft-touch surface, depending on the material



Durable

High mechanical strength and, depending on the material, very good UV-resistance (MAYWOflamm® ECE ST)

Applications

**MAYWOflamm® ECE , MAYWOflamm® ECE ST
and Formaterm® PC/ABS professional are especially
suitable for the manufacture of**

- Side panels and interior cladding
- Roof cladding
- Dashboards
- Interior surfaces
- Rear seat shells

Plastics for economical, safe buses

Our vacuum formable materials MAYWOflamm® ECE, MAYWOflamm® ECE ST and Formaterm® PC/ABS professional are part of our specific product range for the bus industry. At Röchling Industrial, we also offer Durostone® glass-fibre reinforced profiles, which are used worldwide for exterior and interior panelling.

Examples of applications



High-quality bus interiors: Röchling Maywo developed MAYWOflamm® ECE ST with a soft-touch surface specifically for attractive bus interiors



Roof cladding made of MAYWOflamm® ECE



Interior wall cladding in a city bus made of MAYWOflamm® ECE in grey

Vacuum formable materials for high-quality bus interiors

MAYWOflamm® ECE



Properties

- Highly suitable for vacuum forming
- Complies with UN/ECE R 118-02 Annex 6, 7, 8
- Matt surface
- Ductile fracture behaviour, no splinters
- Halogen-free, certified according to VDE standard 0472-815
- (E) type approval awarded by the Federal Motor Transport Authority (KBA)



Product range

- Dimensions: up to 2,500 mm wide, various lengths possible
- Thickness: 2-7 mm
- Various surface structures available
- Almost any colour possible

MAYWOflamm® ECE ST



Properties

- Highly suitable for vacuum forming
- Very pleasant feel due to a special soft-touch surface
- Excellent resistance to UV radiation
- Complies with UN/ECE R 118-02 Annex 6, 7, 8
- Halogen-free, certified according to VDE standard 0472-815
- Ductile fracture behaviour, no splinters



Product range

- Dimensions: up to 2,500 mm wide, various lengths possible
- Thickness: 3-7 mm
- Various surface structures available
- Almost any colour possible

Formaterm® PC/ABS professional



Properties

- Very good vacuum forming properties
- Complies with UN/ECE R 118-02 Annex 6, 7, 8
- Halogen-free, certified according to VDE standard 0472-815
- (E) type approval awarded by the RDW
- High breaking strength and extremely high impact resistance



Product range

- Dimensions: up to 1,500 mm wide, various lengths possible
- Thickness: 2-5 mm
- Various surface structures available
- Almost any colour possible



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