New opportunities for composites: UV-stable polyurethane matrix with unique performance profile
Desmocomp® AP 200
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To fully exhaust the properties and advantages of fiber-reinforced plastics, the fiber needs to be combined with the best possible matrix material. Polyurethanes are becoming more and more important in this area as result of their excellent mechanical properties.

Desmocomp®, a brand-new development by Covestro, is a duroplastic matrix material characterized by inherent UV resistance and weathering stability combined with easy processing of a one-component PU system.

Desmocomp® AP 200 has been developed for pultrusion and can be easily processed by this technology using both bath impregnation and resin injection.

Key benefits of Desmocomp® AP 200 processing:
- Easy processing with 1K system
- Bath impregnation and resin injection possible
- Long pot life (up to 8 h at room temperature)
- Rapid curing

Key benefits of glass fiber composites made with Desmocomp® AP 200:
- Excellent mechanical properties
- Inherent UV and weathering stability
- Good chemical resistance
- Anti-graffiti properties
- Flame resistance (class Bs1d0 acc. to DIN EN 13501-1:2010-01, flat profile, 80 wt. % glass content)

Desmocomp® broadens the application range of polyurethane-based resins and opens the way to new applications for fiber-reinforced plastics.

Comparison with other matrix materials

Desmocomp® AP 200 is a duroplastic matrix material characterized by inherent UV resistance and weathering stability combined with easy processing of a one-component PU system.

Excellent UV stability and weather resistance

Excellent flame resistance

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