

Successful MIL-P-25690 certification for stretched PLEXIGLAS®

- Stretched PLEXIGLAS® meets the quality specifications of the US standard MIL-P-25690
- Material particularly suitable for use in aviation
- Produced in the world's most advanced PLEXIGLAS® production plant in Weiterstadt, Germany

Stretched sheets of polymethylmethacrylate (PMMA) from Röhm now satisfy the quality requirements of US standard MIL-P-25690 for the aviation industry. Sheet thicknesses of up to 20 mm (0.787") have been certified. In particular, the certification attests to the chemical resistance of the material, its impact strength (for example against bird strikes), and the fulfilment of optical requirements.

PMMA has been used for decades in areas of the aviation industry where the highest requirements are placed on the material. These include passenger cabin windows, windscreens, and cockpit windows as well as cockpits. The stretched material is superior to cast PMMA in, for example, impact resistance and chemical resistance.

The sheets are produced and stretched in Weiterstadt, in the German state of Hesse. To meet the demand for materials for the aviation industry, the Acrylic Products Business Unit started up in 2018 the world's most advanced production facility for stretching of PMMA. The plant produces sheets of sizes up to 5.0 m x 3.0 m (200" x 120"), which is double the normal current size. The first customers in the aviation industry have been supplied with samples of the new material since the end of 2018.

Röhm as a full range supplier of cast and stretched PMMA sheets

As Falk Majert, head of the business unit, explains: "With this successful certification, we are consolidating our position as a leading supplier of aviation materials and a driver of innovation in the sector. We offer the customer cast as well as stretched PMMA of the highest quality from a single source. With the now certified stretched material we're opening up new design and innovation options, and thus also further growth prospects, for customers."

About Röhm

With 3,500 employees and 15 production sites worldwide, Röhm is one of the world's leading manufacturers in the methacrylate business. The medium-sized company with branches in Germany, China, the USA, Russia, and South Africa has more than 80 years of experience in methacrylate chemistry and a strong technology platform. Our best-known brands include PLEXIGLAS®, ACRYLITE®, DEGALAN® and DEGAROUTE®. More information is available at www.roehm.com.

Röhm is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® and PLEXIMID® trademarks on the European, Asian, African and Australian continents and under the ACRYLITE® and ACRYMID® trademarks in the Americas.

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The company is registered in Essen
Court of registration:
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Trade Register HRB 26282