

Reference

PLEXIGLAS®

Research submarine Jago



Market segment

Industrial Construction & Architecture,
Specialty glazing

Product

PLEXIGLAS® GS Block material

Fabricator

Heinz Fritz Kunststoffverarbeitung
www.heinz-fritz.de

Selection criteria

The procedure developed by Evonik was assessed and certified in December 2011 by the globally active classification association Germanischer Lloyd SE (GL). Evonik is the only manufacturer authorized by GL to transform blocks of acrylic glass into half-spheres.



Description of the application

Germany's only manned research submarine, the Jago, is getting on in years. When it was built in 1989, it was already equipped with PLEXIGLAS®. Now, 20 years and more than 1,000 dives later, the PLEXIGLAS® sheets in the front and top of the vessel have been replaced to conform with the current, much more demanding quality requirements regarding underwater vehicles.

The current PLEXIGLAS® sheets were produced using a new and unique procedure. A solid block of PLEXIGLAS® was formed into a half-sphere with a 180° opening angle. The final processing of the viewing windows for the front and top of the submersible was carried out by PLEXIGLAS® expert Heinz Fritz in Herbrechtingen, Germany.

The Evonik shaping process provides customers with not only reliable, timely results, but above all assured quality. Only previously inspected blocks of PLEXIGLAS® are used, and the material retains all of its beneficial product qualities.

Evonik Performance Materials GmbH

Acrylic Polymers

Kirschenallee, 64293 Darmstadt, Germany

info@plexiglas.net www.plexiglas.net www.evonik.com