

Schat-Harding Lifeboat Bonded with Crestomer® 1152PA Withstands Impact After Freefalling 65.1 Metres

Company Profile: Schat-Harding Equipment AS

Location : Rosendal, Norway

- **Global market leader** in marine life saving systems and offers the **largest worldwide service network** in the industry.
- Design, manufacture and service a **wide range of products** to enable the safe evacuation of crews, passengers and offshore workers. These include innovative lifeboats, davits, winches and rescue boats.
- Schat-Harding Equipment AS' head office is in **Norway** and has production facilities in **Europe, Asia and USA**.
- Operating in **13 different countries**, there are 25 offices and more than 60 stations to form a service network while employing **more than 800 employees**.

Schat Harding set a **freefalling lifeboat record** with their **FF1200 boat** that successfully dropped from a height of **65.1 metres** as part of their boat certification tests. The FF1200 was specifically designed to facilitate the evacuation of rigs and installations in heavy seas and comply to **new more stringent standards**.

The nose had to **withstand** the full **force** on impact and then was fully **submerged** to a depth of over **10 metres** before resurfacing.

As offshore installations get larger, there is a greater need for the ability to drop safely and without any structural damage from greater heights.



Adhesive Application

Crestomer® 1152PA

Crestomer adhesive 1152PA was used for bonding stringers, bulkheads in the hull, canopies and bonding innerliners together with the hull.

- Application
- Using **Crestomer 1152PA** to bond **GRP to GRP**.
 - Applied to **stringers, bulkheads, innerliners and canopies**.
 - Adhesive applied by **bulk dispenser**.

- Advantages
- **Excellent adhesion** between GRP and GRP.
 - Tough enough to withstand not only the **rough off-shore conditions** but also the massive impact that freefalling boats are exposed to when falling from high heights.
 - **Production speed** can be increased without sacrificing quality needed to meet high standards set by the offshore industry.
 - **Cure time** of adhesive **tailored** to production process.
 - Improved **working environment** through bulk application of adhesive.
 - Improved **impact strength** while keeping structure as light as possible.



Benefits/Advantages

- ✓ Greater confidence and trust in product and supplier performance
- ✓ Excellent adhesive properties when bonding GRP to GRP
- ✓ Product maintains high impact strength. This enables it to withstand the tough conditions that they are exposed to
- ✓ Helps keep the structure as light as possible without sacrificing strength
- ✓ Increased speed of production through excluding mechanical fixing thus leading to increased output
- ✓ Technology developed and fully supported by Scott Bader

Customer Quote

“ The Crestomer range gives us opportunities to **increase** our **speed** of production and at the same time keeping the **quality** of our lifeboats to the **highest standards** set by the offshore industry. Scott Bader and its unique structure with commonwealth ownership, **excellent products** and their focus on innovation gives us **full confidence** in both product and **supplier relationship**. ”

Aavid Skogseide, Factory Manager.