

BELZONA REPAIRS TORN RIB BOAT SPONSON

ID: 5356



PROBLEM

The sponson has an 18 inch long tear.

APPLICATION SITUATION

The Navy unit has damaged the sponson on one of their large RIB boats.

APPLICATION METHOD

Two pieces of synthetic rubber were cut to bond over the hole. Roughened the inside and outside surfaces of the sponson as well as the repair patches. Bonded the inside patch using Belzona 2211 and then bonded the second patch on the outside. Pressure was added to both patches during their cure time.

BELZONA FACTS

The Navy unit could send the sponson out for an expensive and time consuming repair (\$3000+) with a several weeks of turnaround time or buy a new sponson (\$10,000+). However, the Navy chose to repair the sponson themselves for less than \$500 and complete the job in one day.

INDUSTRY

Military

LOCATION

VA, USA

APPLICATION DATE

2011

PRODUCTS

Belzona 2211 (MP Hi-Build Elastomer)
Belzona 2911 (Elastomer QD Conditioner)

SUBSTRATE

uPVC

PHOTOS

1. 18 inch long tear in the inflatable sponson of a Navy RIB boat
2. The repair area of the sponson and repair patches have been thoroughly roughened.
3. The inside patch bonded in place.
4. The outside patch bonded in place and the section of the sponson is shown inflated and holding air.

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