Belzona Delivers Accuracy to a Weigh Scale Platform

ID: 6320

Industry:	*General Industry*	Customer Location:	*British Columbia, Canada*
Application:	*GSS-Gaskets, Seals and Shims*	Application Date:	*August 2011*
Substrate:	*Steel*		
Products:	** Belzona 1121 (Super XL-Metal) ,*		

Problem

The scale consists of three separate sections bolted together; the machined surfaces where the sections connect were corroded and could no longer provide the solid connection required for accuracy.

Photograph Descriptions

* The mating surfaces between sections of the weigh scale platform were badly pitted. ,
* The center section of the scale had to be lowered into this gap with only 1/4 inches of clearance either end. ,
* The center section was in place and bolted to the ends with Belzona 1121. ,

Application Situation

The mating surfaces between sections of a weigh scale platform.

Application Method

The application was carried out in accordance with a modified version of Belzona Know-How System Leaflet GSS-4. The mating surfaces between sections of the weigh scale platform were badly pitted. They were originally coated with a blue paint, which was removed prior to application. The center section of the scale had to be lowered into this gap with only 1/4" of clearance on either end. The center section was in place and bolted to the ends with Belzona 1121 providing a positive contact between the mating surfaces to ensure accuracy.

Belzona Facts

The corroded surfaces were prepared, then Belzona 1121 was applied between the connectors, prior to bolting to fill any voids caused by corrosion and provided full contact irregular shim between the surfaces. The extended set up time of Belzona 1121 allowed the delicate assembly to proceed without haste.

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

www.belzona.com

BELZONA®
Repair • Protect • Improve

Copyright © Belzona International Limited 2025

For more examples of Belzona Know - How In Action, please visit https://khia.belzona.com

ISO 9001:2015
FS 695214
ISO 14001:2015
EMS 695213

Belzona products are manufactured under an ISO 9000 Registered Quality Management System.

www.belzona.com

BELZONA®
Repair • Protect • Improve

Copyright © Belzona International Limited 2025