

# PVC pipe repair

ID: 8403

Industry: Fluid Flow  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Polyvinyl chloride (PVC)  
Products: \* Belzona 1221 (ES- Metal) ,

Customer Location: Malacky, Slovakia  
Application Date: 2020

## Problem

To use classical kind of repair was problem (too thick wall) also new pipe bend was not available.



## Photograph Descriptions

- \* 1. Customer needed to repair the crack ,
- \* 2. We roughened surround place using the Belzona roughing brush. ,
- \* 3. Ready for Belzona 1221 application ,
- \* 4. Repaired pipe bend ,

## Application Situation

Customer destroyed a PVC pipe bend (diameter 160 mm, wall thickness 10 mm, with hydrostatic pressure, temperature up to 20°C) during some cooling tower dismounting and maintenance.

## Application Method

The application was performed in accordance with modified Belzona system leaflet VPF-8. Firstly we made the test with Belzona 1221 application on the small area of this bend. Adhesion was perfect. Then we started to repair the entire crack. We terminated the crack by drilling 6 mm hole at the end to prevent further propagation, "veed" out crack with a hand held machine, then roughened it using the Belzona roughing brush. After chemical cleaning was Belzona 1221 applied.

## Belzona Facts

Customer needed to solve this problem very express, but he did not keep this pipe bend on the stock. Belzona 1221 repair was rapid, perfect and also cheap solution in compare with the price of the new pipe bend (1.300 €)

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](http://www.belzona.com)

  
**BELZONA**  
Repair • Protect • Improve