

# Belzona 5871 Insulates Ammonia Pipes

ID: 9426

Industry: Commercial Facilities  
Application: VPF-Valves, Pipes and Fittings  
Substrate: Carbon steel  
Products: Belzona 5871

Customer Location: Carolina  
Application Date: May 2024

## Problem

This Distribution Center roof housed between 50 and 60 ammonia pipes. Due to moisture on the pipes, birds were pecking at the original coating and insects were getting stuck. This resulted in the maintenance team having to re-apply the coating every year.



Ammonia pipes



Cladding removed



Belzona 5871 applied



Belzona 5871 applied

## Application Situation

The ammonia pipes operate between -20°F (-28°C) and +120°F (53°C).

## Application Method

The pipe insulation was removed and the pipes were prepared using an MBX Bristle Blaster. No grinding was required which ensured the pipes could stay online during the repair. One layer of Belzona 5871 was applied directly to the surface using a short bristled brush. The product expanded upon application and produced a lightweight, closed-cell foam, insulating the pipe. This application followed a modified VPF-12 procedure.

## Belzona Facts

The Belzona solution was selected for the long-term cost savings the solution could offer, along with the vast temperature range it provides insulation for. This self-foaming, insulative material was used to provide a protection against the sub-zero temperatures. Reports from the customer are that the solution has been performing well and they were happy with the insulation values it provided to the pipes.

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

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