

HT 365

Preservation Coating



Case History for Indoor Storage at Valve Manufacturer

Background

Customer is a Houston based, mid-sized valve manufacturer that stores bare steel parts in an indoor warehouse that is partially environmentally controlled. Parts can be stored for one month or a year or more, depending on the market and types of valves that are in demand.

Corrosion Issue

The company found that the stored pieces would begin to rust without any protective coating which caused an extra step of removal before actual assembly of the valve. This was not satisfactory and lead them to find a coating solution that is easily applied and removed if needed.

Corrosion Solution

In the summer of 2015, the valve manufacturer decided that as new bare steel parts were received, they should be protected from corrosion and chose to test HT 365 as a thin film coating to provide protection of the steel for up to one year. It was decided to dip each piece while lying in a stainless steel basket in a vat filled with HT 365. The dipping station was specifically built for HT 365 and holds 40 gallons of coating.

The parts are dipped and allowed to fully coat all exposed surfaces, then raised and allowed to drip dry. After five minutes, the film is cured and the part is ready to go into storage on the shelf. The customer began dipping parts in November, 2015 and fifteen (15) months later, they are still receiving full protection and are rust free.



Results

The valve manufacturer has found that the time spent to protect the steel by dipping each piece into the vat to coat with HT 365 was a time and cost saver as the need to remove rust when needing to assemble a valve can be inefficient and add another expense to the cost of goods sold. The below pieces have thus far been rust free for over 15 months and expected to remain that way for a while. Should additional protection be needed, the manufacturer can simply dip the parts again for another long period of protection. Below is an example of the 15 months of protection provided by HT 365. Coated November, 2015; still protected as of February, 2017.

Next to the rust free parts on the pallet are valve bodies that were not protected and are completely rusted. Unfortunately, they will have to be blasted before assembly.

