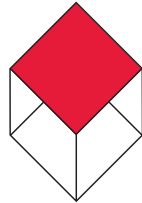


Project



Profile



Worley Warehousing

Roofing solution stops leaks and condensation without adding to weight load concerns.

Problem

A Worley building that warehoused both dry goods and refrigerated products was experiencing condensation and leak problems. During the initial inspection of the roof, the D. C. Taylor Co. team found weight load concerns that would limit the reroofing options.



Worley Warehousing
Cedar Rapids, Iowa

Established in 1978, Worley has grown into one of the country's leading (3PL) third party logistics providers. Worley has established itself as a single source for warehousing and distribution, contract packaging and facility development. When the country's most progressive corporations select a company for their supply chain solutions, many choose Worley to be their partner.

Solution

D. C. Taylor Co. worked with a structural engineering firm to design a reroofing solution that would solve Worley's condensation problems and protect their customers' products without overloading the structure. They used lightweight materials to protect the building and to increase the "R" value of the insulation.



Protecting what's inside

The section of the Worley building that was reroofed was over a refrigerated section and a dry goods storage area. D. C. Taylor Co. understands that Worley Warehousing is extremely sensitive to their customers' needs and how important it is to protect their products from roof leaks and moisture damage.



Roofing results

D. C. Taylor Co. laid one layer of 2" polyisocyanic insulation on the ribs and metal deck. An additional layer of 2" polyisocyanic insulation was mechanically fastened to the deck. D. C. Taylor Co. then laid a Sarnafil energy smart 327 48 mil PVC roof system that was mechanically fastened to the perlin structure below. They also installed blow off smoke vents to meet local code. The material and insulation was light enough that it enabled the addition of more insulation without exceeding the city's weight code for the building.



Preventing condensation and increasing energy efficiency

D. C. Taylor Co. resolved the condensation problem by adding more "R" value to the building and moving the dew point into the new insulation. Worley Warehousing went from an "R" value of 6 to an "R" value of 24. This increase will also help save Worley Warehousing thousands of dollars on their energy bills.

800-876-6346
www.dctaylorco.com



Responsible roofing, inside and out.