



Modified Bitumen Coatings Restoration Case Study

This twenty year old Modified Bitumen Roof is over a wood processing plant so, as you might imagine, a leaking roof is not only inconvenient, it's also costly due to down time and ruined product. The first thing our approved Dealer did was power-wash the entire surface with over 3,000 psi to ensure our system would adhere to the aged roofing material.

Before applying any of the AWS Coating System, a moisture survey was completed to ensure the substrate and insulation were dry. If wet insulation is found, it must be replaced before the AWS system is installed.

After a thorough cleaning, the contractor applied one coat of Acrylic Bonding Primer 905 in order to ensure adhesion of the butyl coating system to the substrate. Other suitable AWS primers include Fabric Bond 930 and Neoprene 940.

At that point the waterproofing stage began. The WeatherStar independent Dealer addressed every seam and penetration with a polyester fabric and the Butyl 310. He sprayed an initial layer of Butyl 310 on to each seam, then laid the fabric into the coating and finally sprayed another layer of Butyl 310. The same process was done around each penetration on the roof. The next step was to apply the fabric and Butyl 310 to larger areas in the field of the roof since this particular roof had aged to the point where leaks were throughout the field of the roof. In many circumstances the contractor may install a full fabric system over entire roof area.

After the fabric was installed in all the areas of concern the entire roof was sprayed with two more coats of Butyl 310 to form a seamless elastomeric membrane over the entire roof area. Other appropriate top coats for this type of application include Urethane 520 in low slope applications that don't drain well and Acrylic 210 or Acrylic 211 in situations where the roof does drain well

For more information, see the application specifications on this system or call American WeatherStar at 800-771-6643.



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