



Gravel Built Up Coatings Restoration Case Study

This case study shows what a typical gravel built up roof looks like when it is twelve to fifteen years old and then after a Polyurethane Foam and the WeatherStar Coating System have been installed.

The AWS approved Dealer first takes off all the loose gravel on the roof and thoroughly cleans the substrate. In this case he accomplishes both by wet-vacuuming the roof. This ensures the polyurethane foam will adhere to the existing roof substrate. We always recommend a moisture survey before installing foam to ensure a successful job. If moisture is found in existing roofing system, the contractor will remove wet areas before installing polyurethane foam.

The foam is sprayed on the roof at a minimum of 1 1/2 inches to seal the entire roof area. Special care is taken around parapet walls and penetrations to make sure there is a tight seal.

After the foam is installed, in order to protect the foam from the sun's ultraviolet rays, the Dealer applies two coats of a WeatherStar top-coat. Options include Acrylic 211 on roofs with a positive draining slope and on flat roofs that don't drain water well, we recommend either the Urethane 520 or Silicone 410. Without the coating, the foam would quickly break down under UV rays.

The WeatherStar Foam and Coatings system not only gives the building owner an outstanding waterproof solution, it also adds an R10 insulation value for his building. (Foam sprayed at 1.5")

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



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