

Jacob White Case Study Green Roof

Fast curing, water barrier membrane/roof system designed to create protective substrate for vegetation.



CUSTOMER

Jacob White Buildings – Green Roof/Concrete Roof
20,000 sq. ft
Webster, TX
2009

PROJECT TEAM

Jacob White - Contractor.

PROJECT OVERVIEW

In 2009, Jacob White, a Houston area roofing contractor and certified EcoSeal Applicator built two (2) buildings in which to house their business. These buildings were designed and constructed with the latest environmentally friendly products and processes available in the market today. In doing so, they decided to install what is commonly referred to as a “Green Roof”. This roof application began with the installation of the ES 100 Roofing Membrane designed to create a water retention system on the roof of both buildings, which facilitated their ability to capture rainwater in their underground storage tanks. After the ES 100 installation, an irrigation system and corresponding topsoil and vegetation were installed. Because of its ability to create a water barrier that is not toxic to plants or wildlife, future issues were readily eliminated by its utilization.

CONSIDERATIONS

Roofing/Waterproofing: The ES 100 Roofing System was utilized to create a “bath-tub” effect on the roof of the building, which helped in facilitating their creation of a “Green Roof”. ES 100’s elastomeric, adhesion and environmentally friendly properties were ideal to protect the building’s substrate and infrastructure from unwanted water intrusion. The fact that the membrane forms instantly upon contact with the substrate, following all contours, is touch-dry in minutes and achieves complete chemical cure in 24 to 48 hours was another critical benefit from this system.

SYSTEM PRODUCTS

ES 100 is a polymer-modified elastomeric system that is specifically formulated for long-term water barrier protection. ES 100 forms resilient, puncture-resistant, waterproof membrane over this type of existing roof and creates an ideal landscape for the installation of a “Green Roof”.