

USDA AGRICULTURAL RESEARCH SERVICE

Biobased Success Story



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Michael Canady, the Administrative Officer at the USDA, Agricultural Research Service Appalachian Farming Systems Research Center in Beaver, West Virginia used biobased roof coating on his facility's metal roof. His first use was a test on an 80x40 steel building, with a 4-12 roof pitch. The building's primary use was the bulk storage and processing of soils for research, but they were experiencing a large amount of leaking due to rusted and broken fasteners holding the metal on the roof, that made the bulk drying process difficult at best. First they added new fasteners where needed, and then coated the entire surface area of one side of the roof (the most leaky). The product went on relatively easily with a foam paint roller with no sanding or priming of the surface necessary. When dry, it formed a rubber-like coating about 1/8" thick that bonded to the roof and made it impervious to water. The bond has weathered an autumn and winter so far, and no leaks have been detected. They will be using it extensively this year at their main location as well as their research farms. Product information: Metal 1 KOTE in white at \$152.99 for 5 gal purchased from TKO Waterproof Coatings, LLP, 800-827-2056 order@tkocoatings.com. Visit <http://www.biopreferred.gov>.