

DELTA INNOVATIVE SERVICES

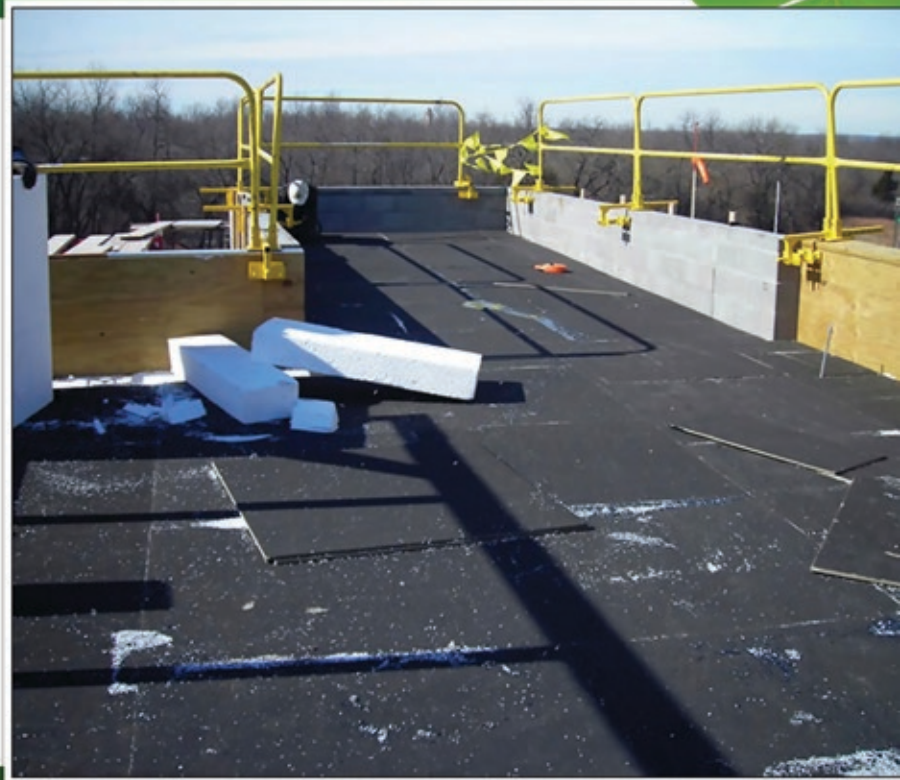
Commercial and Industrial Roofing

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MODIFIED BITUMEN

Modified Bitumen is asphalt that has had modifiers added to it to give it plastic or rubber-like properties. The most common types of modifiers are APP (Atactic Polypropylene) and SBS (Styrene Butadiene Styrene). Rolls of modified bitumen membrane cover an area of approximately 100 square feet. Surfacing for these roll materials consist of mineral granules, aluminum, copper, or an aggregate such as gravel or slag.



APP MODIFIED



Atactic Polypropylene (APP) is added to asphalt to give the asphalt some plastic properties. By adding about 30% of APP modifier, it can stretch the

modified asphalt up to fifty percent of its original length, before it breaks. APP membranes are applied using a torch. The back of the sheet has extra asphalt on it which, when heated, bonds to the substrate.

SBS MODIFIED



Adding 10%-15% of SBS rubber to asphalt, changes the asphalt's characteristics to those of the rubber additive. This stretches the SBS

modified asphalt up to six times its original length, and unlike the APP, it returns to its original size when allowed to relax. TA wide range of reinforcements include fiberglass or polyester mats and scrim, or combinations of both.

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