

SCHOOL ROOF - 6 Year Follow Up

September 15, 2000

SUPERTHERM®



SUPERIOR PRODUCTS
INTERNATIONAL II, INC.

ROOFING PROJECT:

Armuchee High School, Rome Georgia
129,000 sq.ft. (11,961 sq.m)

News Release: September 15, 2000

- UL approved
- Installed by Johnson Controls

System components:

Tar substrate
Foam
SUPER THERM (Insulation)
ENAMO GRIP W/B FTC (seals over SUPER THERM and embed the rock)
Light Grey Rock for Bird Control

Additional comments:

In speaking with the Executive Director of Schools for Floyd County Schools, Jack Gresham, Phone: 706-290-8144, he says the roof is in great condition after many years of service and is performing as promoted.

Performance is very good and they have coated several more roofing projects for the school system.

J.E. Pritchett
President
Superior Products International II, Inc.
USA



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Floyd County Schools

A Georgia Public School System

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News Release

September 15, 2000

Armuchee High to be Protected by Space Age Technology

A new roof system is bringing space age technology to Armuchee High School. The new Armuchee roof is not the basic multiply asphalt buildup roof that you see on most large flat top structures, it is the most highly advanced roof coating system available today. The system being installed by Johnson Controls, Inc. at a cost of \$495,376 will improve energy management, comfort, and weather protection at Armuchee High.

The new system consists of several types of protective coatings. The first coating is a foam - polyurethane base coat that will be applied in a minimum of 1/2 inch thick passes. The total thickness of the first layer will be 1 1/4 inches that will result in no ponding accumulation of water.

The second coating will be an energy saving coating called SuperTherm. SuperTherm is a combination of high performance waterborne acrylic resins. Once cured, this coating will provide an extremely tough, durable water-resistant coating that is impervious to ultra violet radiation. This product will not crack or break down. A special resin mix to create a slower cure time avoids common surface cracking problems. SuperTherm can withstand exposure to temperatures as low as -60 F and depending on final coating thickness, up to 1600 F. SuperTherm is designed with three separate ceramic materials. Two of these are reflective and reduce radiant heat and reduces heat buildup on the roof surface. The third ceramic particle provides a microscopic dead air space between the coating surface and the substrate to which it is applied. This air space prevents hot and cold conduction through the coating film to the surface of the roof. The net result is an additional R-19 insulation value to the existing roof insulation.

The third coating is a tough, medium speed, moisture curing polyurethane enamel called EnamoGrip. This is a hard and durable film that is impervious to impact damage such as hail, which causes many roof failures on standard roof systems. The new roof will have a 20 year warranty.





