



BULLETIN #14

February 1986

**ARMA-NRCA-RIC/TIMA-SPRI POSITION ON RUSTING AND
CORROSION OF FASTENERS IN ROOFING ASSEMBLIES**

The use of mechanical fasteners to attach roof insulation or the entire roof system to low-sloped roof decks in both new construction and reroofing has increased dramatically over the past few years. Mechanical fasteners offer many benefits to the industry and their use is supported by the Asphalt Roofing Manufacturers Association (ARMA), the National Roofing Contractors Association (NRCA), the Roof Insulation Committee of the Thermal Insulation Manufacturers Association (RIC/TIMA) and the Single-Ply Roofing Institute (SPRI).

However, as on-the-job performance data is compiled, questions have been raised concerning rusting and corrosion of some of the fasteners being used. The scope of the issue has not been determined.

Specifically, ARMA, NRCA, RIC/TIMA and SPRI are concerned about the corrosion potential of galvanized steel screws and other mechanical fasteners resulting in reduced roof system attachment and increased blow-off potential.

ARMA, NRCA, RIC/TIMA and SPRI recommend that only corrosion resistant type fasteners which will provide effective long-term resistance to rusting and corrosion be used to attach roof insulation and roofing in new construction and re-roofing in all types of roofing systems. At the present time, the Single-Ply Roofing Institute has developed test procedures and guidelines entitled 'SPRI Corrosion Test Procedures & Guidelines for Fasteners' which may be used as a reference in evaluating fasteners for roof construction. Also, additional studies are to be undertaken by the industry in order to evaluate and propose long-term recommendations regarding fasteners, fastener subcomponents, decks and other roof assembly conditions.