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Ohio State Engineer

Title: New Invisible "Raincoat" for Waterproofing

Issue Date: 1943-06

Publisher: Ohio State University, College of Engineering

Citation: Ohio State Engineer, vol. 26, no. 7 (June, 1943), 30.

URI: <http://hdl.handle.net/1811/35982>

NEW INVISIBLE "RAINCOAT" FOR WATERPROOFING

An invisible "raincoat" which can be formed on cloth, paper and many other materials by exposing them to chemical vapors from a new compound, thereby making them water-repellent, has been developed in General Electric's research laboratories.

One of Dri-Film's most important uses so far is the treatment of ceramic insulators for radio equipment being made for the armed forces of the United States.

It is a clear liquid which vaporizes at a temperature below 100° C. Articles to be treated are exposed, in a closed cabinet, to the vapors for a few minutes. Then they are taken out and, if necessary, are exposed to ammonia vapor. This is to neutralize corrosive acids which may collect during treatment.

This "raincoat" is so thin that its structure cannot be determined by chemical analysis. After application, it is not adversely affected by heat up to 300° C. applied for short intervals.