

Underwriters' Laboratories, Inc.

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National Board of Fire Underwriters

Miscellaneous Hazard 7035

Application No. 58C2975

September 3, 1958

REPORT

on

PROTECTIVE COATING FOR STEEL ENCLOSURES
OF OUTDOOR AIR-CONDITIONING EQUIPMENT

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OBJECT:

The object of this investigation was to obtain data bearing on the comparative resistance to ordinary atmospheric corrosion afforded by this protective coating when applied to steel enclosures of outdoor air-conditioning equipment.

CONCLUSION

The protective coating covered by this report (thickness of coating at least 0.003 in. (3.0 mils)) is judged acceptable for use on steel enclosures of outdoor air-conditioning equipment when the suitability of the combination has been determined by Underwriters' Laboratories, Inc.

This conclusion is based on the results of comparative corrosion tests of representative samples of this coating on sheet steel in the presence of salt spray, sulphur dioxide-carbon dioxide-air mixture, hydrogen sulphide-air mixture, and ultra-violet light and water as recorded in this report.

With respect to protection of the underlying steel against ordinary atmospheric corrosion likely to be encountered in the practical use of steel enclosures of outdoor air-conditioning equipment, it appears that this protective coating, when intact, is equivalent to hot-dipped galvanized coating (zinc coating withstanding four one-minute immersions in copper sulphate solution).

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