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National Standards Authority of Ireland

IRISH STANDARD

I.S. 16:1958

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National Standards
Authority of Ireland
Glasnevin, Dublin 9
Ireland

Tel: +353 1 807 3800
Fax: +353 1 807 3838
http://www.nsai.ie

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KNOTTING

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IRISH STANDARD SPECIFICATION

KNOTTING

I.S. 16 : 1958

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS
Glasnevin House, Ballymun Road, Dublin
Telegrams : Research, Dublin Telephone : Dublin 45161

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SPECIFICATION

ENTITLED

STANDARD SPECIFICATION (KNOTTING), 1958.

The Institute for Industrial Research and Standards in exercise of the power conferred by section 2 of the Industrial Research and Standards (Amendment) Act, 1954 (No. 11 of 1954), and with the consent of the Minister for Industry and Commerce (signified by his Official Seal affixed hereto), hereby declares as follows :

1. This instrument may be cited as the Standard Specification (Knotting), 1958.

2. (1) The specification set forth in the Schedule shall be the standard specification for Knotting.

(2) The said standard specification may be cited as Irish Standard 16 : 1958 or I. S. 16 : 1958.

3. (1) The Standard Specification (Knotting) Order, 1949 (S. I. No. 161 of 1949), is hereby revoked.

(2) Reference in any other standard specification to the Order hereby revoked and to Irish Standard 16 : 1949, thereby prescribed, shall be construed, respectively, as references to this Standard Specification and to Irish Standard 16 : 1958.

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SCHEDULE

Knotting

Scope

1. This specification applies to knotting required to provide an impervious covering for knots and other resinous areas in wood which are liable to stain superimposed paint.

Description

2. The knotting shall be a uniform dispersion of shellac or other suitable resin in industrial methylated spirit. It shall produce a film which is unaffected by the natural solvents present in resinous knots and shall be of such consistency that it will work under the brush.

Appearance

3. Apart from the turbidity natural to lac solutions, the knotting shall be free from visible aggregates and foreign matter.

Solid Content

4. When determined in the manner described in Appendix A, the solid content of the knotting shall be not less than 30 per cent by weight.

Drying

5. A film of the knotting, prepared in the manner described in Appendix B, shall be bright and free from tackiness.

Bleeding

6. When tested by the method described in Appendix C, the coat of white paint applied over the film of the knotting shall show no greater discoloration than the coat of white paint applied over the film of the standard lac solution.

Stain Prevention

7. When tested by the method described in Appendix D, a film of the knotting shall prevent staining of the coat of white paint not less effectively than a film of the standard lac solution.

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Resistance to Paint Solvents

8. When tested by the method described in Appendix E, a film of the knotting shall show no greater softening than a film of the standard lac solution.

Colophony

9. When tested as described in Appendix F, the knotting shall show no indication of the presence of colophony.

Sampling and Size of Samples

10. Representative samples, each measuring not less than 250 millilitres, shall be taken in triplicate from one or more original and previously unopened containers, or from the bulk during filling. They shall be packed in clean dry air-tight non-absorbent containers made of material on which the sample has no action. The containers shall be of a size such that they are nearly filled by the sample. Each container so filled shall be sealed and shall be marked with the date of sampling, and with sufficient information to identify the sample.

APPENDIX A

Determination of Solid Content

About 5 g of the knotting shall be accurately weighed in a flat-bottomed dish and the dish and contents placed on a steam bath. When most of the volatile spirit has evaporated, the dish shall be transferred to a suitable oven and maintained for two hours at a temperature of 98–102 °C. It shall then be allowed to cool to air temperature in a desiccator and weighed. The residue shall be calculated as a percentage of the original weight of the knotting.

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