



National Standards Authority of Ireland

IRISH STANDARD

I.S. 129 : 1964

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National Standards
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EMULSION PAINTS

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Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD SPECIFICATION

EMULSION PAINTS

I.S. 129 : 1964

PRICE CODE C

INSTITUTE FOR INDUSTRIAL RESEARCH AND STANDARDS

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DECLARATION

OF

SPECIFICATION

ENTITLED

EMULSION PAINTS

AS

THE IRISH STANDARD SPECIFICATION FOR

EMULSION PAINTS

The Institute for Industrial Research and Standards in exercise of the power conferred by subsection (3) of section 20 of the Industrial Research and Standards Act, 1961 (No. 20 of 1961), 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 (Emulsion Paints) Declaration 1964.

2. (1) The specification set forth in the Schedule to this declaration is hereby declared to be the standard specification for Emulsion Paints.

(2) The said standard specification may be cited as Irish Standard 129:1964 or as I.S. 129:1964.

SCHEDULE

Emulsion Paints

SCOPE

1. This specification applies to synthetic polymer-base emulsion paints for interior or exterior use.

COMPOSITION

2. The paint shall consist of a stable dispersion of pigments and extenders and a synthetic polymer resin in water together with the necessary amounts of additives to give the required performance.

VOLATILE CONTENT

3. When determined as described in Appendix A, the volatile content of the paint shall not exceed 50 per cent by weight.

GENERAL PROPERTIES

4. The paint shall have no irritating or offensive odour. It shall be free from lumps and skins, shall not exhibit excessive settling, livering or colour separation, and shall be readily dispersible to a smooth, homogeneous condition. It shall have no corrosive effect on its container.

THINNING

5. When thinned in accordance with the manufacturer's instructions, the paint shall mix readily and with a minimum amount of foaming to a smooth and homogeneous condition. After the thinned and mixed paint has been stored for 72 hours at $20^{\circ} \pm 5^{\circ}\text{C}$ it shall show no signs of instability of the emulsion, and shall readily remix to a smooth uniform condition.

APPLICATION PROPERTIES

6. When used in accordance with the manufacturer's instructions, the paint shall be easy to apply by brush, spray, or roller. Succeeding coats shall flow and join well. The resulting film shall show no colour separation, coarseness, or other undesirable characteristic.

RECOATING PROPERTIES

7. When three successive coats of the paint are applied under normal conditions to gypsum plasterboard at four-hour intervals between coats at an average spreading rate of 60-70 square yards per gallon, the dry paint system shall exhibit no lifting of the underlying coats, colour separation, sagging, pitting, cratering, curling, flaking or cracking. The brush marks shall not be more pronounced than those given by one coat of paint and the paint shall not exhibit any other undesirable characteristic.

DRYING TIME

8. When tested as described in Appendix B, the paint film shall dry in not more than 4 hours.

COLOUR

9. The colour of a film of the paint prepared as described in Appendix C shall closely match that specified by the purchaser, or shall be as shown on an agreed colour chart.

TEMPERATURE STABILITY

10. After subjection to temperatures of minus 5°C and of 60°C as described in Appendix D, the paint shall conform to the requirements of Clauses 4 and 5.

FLEXIBILITY

11. When tested as described in Appendix E, a film of the paint shall not crack or peel.

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