L.N. 73 of 1982

QUALITY CONTROL (EXPORTS, IMPORTS AND LOCAL GOODS) ACT, 1971

(ACT NO. XIII OF 1971)

Red Oxide Priming Paint Order, 1982
(Order No. M11 of 1982)

IN exercise of the powers conferred by section 3 of the Quality Control (Exports, Imports and Local Goods) Act, 1971, and in accordance with that section, the Malta Board of Standards has made the following order:—

Citation and commencement.

1.1. This order may be cited as the Red Oxide Priming Paint Order, 1982, and may be referred to as Order No. M11 of 1982.

1.2. This order shall become operative on a date after the lapse of 20 days from the day on which it is laid on the Table of the House of Representatives which date shall be notified by the Board in the Gazette.

Scope.

2.1. This order applies to ready-mixed red oxide priming paint.

Interpretation.

3.1. In this order:

3.1.1. "A.S.T.M." means the American Society for Testing and Materials.

3.1.2. "B.S." refers to the British Standard of the British Standards Institution.

3.1.3. "consistency" means the apparent viscosity of a paint when shearing forces of varying degrees are applied to it in various ways, such as when it is stirred in the can, poured from the vessel to the other, brushed or otherwise spread over a surface.

3.1.4. "drying" means the process of change of a coat of paint from a liquid to the solid state, due to the evaporation of the solvent, to the physico-chemical reaction of the binding medium, or to a combination of these causes. Various successive stages in the drying of the paint are distinguished by the following qualifying terms (with corresponding times);

3.1.4.1. "surface-dry" — when the paint is dry on the surface but is soft and tucky underneath which is also commonly known as "sand-dry";

3.1.4.2. "hard dry" — when drying has reached such a stage that, if desired, a second coat can be satisfactorily applied by brushing, if necessary after flattening; this term is also used to describe certain degrees of film hardness when tested by specific methods;

3.1.5. "drying time" means the time which elapses between the application of a coat of paint and the attainment of a specified dry state.

Condition in container.

4.1. The paint in freshly opened containers shall, on receipt, be free from skins, shall show no livering, instability or caking, and shall mix readily to a homogeneous state.

5.1. When tested by the method referred to in paragraph 13.1 the paint shall contain not less than 45% total pigment, not less than 25% resin and not more than 30% solvent. The pigment shall consist of not less than 26% of iron oxide expressed as Fe_2O_3. Composition.

6.1. When tested by the method referred to in paragraph 14.1. the paint shall have a consistency of 140-250 Krebs-Stormer grams at a shearing rate of 200 revolutions per minute when measured at a temperature of 25°C±0.5°C. Consistency.

7.1. The paint shall brush easily and the resultant film shall be uniform and free from roughness and grit. It shall show no running or sagging tendencies and not more than slight brushmarks. Brushing properties and appearance.

8.1. The paint shall be in such a condition that when tested by the method referred to in paragraph 15.1 shall become surface dry in not more than 8 hours at 25°C. Drying time.

8.2. The paint shall be in such a condition that when tested by the method referred to in paragraph 15.1 shall become hard dry in not more than 16 hours at 25°C.

9.1. Seven days after application using a mandrel 6.0 mm diameter, the paint at a wet film thickness of 50 um shall not crack or lose adhesion when tested by the method referred to in paragraph 15.1. Bend test.

10.1. When tested by the method referred to in paragraph 15.1 for 100 hours at 25°C there shall be no blistering, wrinkling or lose of adhesion of the paint film and no corrosion of the panel either visible or under the paint film. Resistance to salt spray.

11.1. The container shall be strong enough to withstand normal usage and shall be adequately sealed to prevent leakage and contamination of the contents during handling and transportation. Container.

12.1. Every container of red oxide priming paint shall bear a label showing in clear and easily readable print the following information: Label.

12.1.1. the brand name or trademark, or

12.1.2. the name and address of the manufacturer;

12.1.3. where the brand name is not entered in a list kept by the Director of Industry nor is the Trade Mark registered with the Comptroller of Industrial Property, the inclusion in the label of the name and address of the manufacturer shall be compulsory.

12.1.4. the net contests in metric volume;

12.1.5. the warnings, or advice and directions as to use as appropriate.

13.1. The composition shall be determined as follows: Methods of tests.

13.1.1. *Pigment Content* — Weigh about 5 g in a tared centrifuge tube. Add 25 ml of petroleum spirit (boiling range 40-60°C) and mix thoroughly with a glass rod. Centrifuge and decant solvent into a weighed flask. Repeat operation twice more decanting the solvent in the flask. Reserve flask for the determination of resin content. Dry centrifuge tube in an oven at 105-110°C. Cool and weigh as total pigment. Reserve pigment for the determination of iron content.

13.1.2. *Resin Content* — Evaporate solvent obtained in the determination of pigment content on a steam bath. Dry in an oven at 105-110°C. Cool and weigh resin.

13.1.3. *Solvent Content* — Weigh 3 to 5 g of sample in a tared flat-bottomed dish. Heat for 1 hour at 105 to 110°C, cool and weigh. Report loss in weight as solvent content.

13.1.4. *Iron Content of Pigment* — The pigment (extracted as in 13.1.1.) is tested for iron content by the method described in the latest edition of BS 3981 Section 8.

14.1. The consistency shall be determined by the method described in A.S.T.M. specification D562-55.

15.1. Surface drying time, hard drying time, bend test and resistance to salt spray shall be determined by the method described in B.S. 3900.

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