
Textured paint — Specification



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Textured paint — Specification

1 Scope

This Draft African Standard specifies requirements, sampling and test methods for water based textured paint suitable for exterior and interior use on concrete surfaces, boards, primed wood, primed metal to give a protective and decorative coating.

2 Normative references

The following referenced documents referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ASTM D4060, *Standard test method for abrasion resistance of organic coatings by the taber abraser*

ASTM D4828, *Standard test methods for practical washability of organic coatings*

ASTM D1653, *Standard test methods for water vapour transmission of organic coating films*

ASTM D3273, *Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber*

ASTM F735, *Standard test method for abrasion resistance of transparent plastics and coatings using the oscillating sand method*

ISO 1524, *Paints, varnishes and printing ink — Determination of fineness of grind*

ISO 3251, *Paints varnishes and plastics — Determination of non-volatile matter content*

ISO 3310-1, *Test sieves — Technical requirements and testing — Part 1: Test sieves of metal wire cloth*

ISO 3856-6, *Paints and varnishes — Determination of "soluble" metal content — Part 6: Determination of total chromium content of the liquid portion of the paint — Flame atomic absorption spectrometric method*

ISO 4618, *Paints and varnishes — Vocabulary.*

ISO 6503, *Paints and varnishes — Determination of total lead — Flame atomic absorption spectrometric method.*

ISO 9117-3, *Paints and varnishes — Drying tests — Part 3: Surface-drying test using ballotini*

ISO 15528, *Paints, varnishes and raw materials for paints and varnishes — Sampling.*

ISO 17132, *Paints and varnishes — T-bend test*

ISO 19396-1, *Paints and varnishes — Determination of pH value — Part 1: pH sensors with glass membrane*

ISO 19396-2, *Paints and varnishes — Determination of pH value —Part 2: pH sensors with ISFET technology*

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3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 4618 and the following apply.

3.1 textured paint

paint made of coarse or fine grain consisting usually of extenders and sand with a water-borne binder and used for creating textured surfaces

3.2 aggregated textured paint

type of paint that incorporates small particles (aggregates) to create a textured surface on walls, floors, or any applicable surface. These particles can be sand, stone, or other related materials, and they add a tactile and visual dimension to the painted surface.

4 Classification of textured paint

The paint shall be of the following categories:

- a) aggregated, and
- b) non-aggregated

4 Requirements

4.1 General requirements

4.1.1 Composition

Textured paint shall consist of chemically inert pigments, fillers and additives and suitable ingredients as may be necessary to produce a paint that complies with the requirements of this standard.

4.1.2 Condition in the container

The textured paint shall show no evidence of biological growth, corrosion of the container and shall be free from lumps and foreign material.

4.1.3 Application properties

Textured paint shall be suitable for application in accordance with manufacturers' instruction and shall not show any undesirable characteristics.

4.2 Specific requirements

Textured paint shall comply with the requirements given in Table 1 when tested in accordance with the test methods specified therein.

Table 1 — Specific requirements for textured paint

S/N	Characteristic		Requirement		Test method
			Aggregated	Non-aggregated	
i.	Total lead content, ppm, max.		90		ISO 6503
ii.	Solids content, %, m/m, min.		65	50	ISO 3251
iii.	Fineness of dispersion/fineness of grind Hegman-type Gauge, μm , min.		N/A	25	ISO 1524
iv.	Drying time at $25\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, h, max.	Hard drying	24	12	ISO 9117-3
		Surface drying	4	2	ISO 9117-1
v.	Total Chromium, mg/kg in dried paints, max.		5		ISO 3856-6
vi.	Abrasion and scuffing		Shall be resistant to abrasion and scuffing		ASTM F735
vii.	UV resistance		Shall be resistant to chalking, colour change, flaking or peeling when exposed to UV radiation		ASTM D4060
viii.	Water vapour permeability		Shall be resistant to water Ingress		ASTM D1653
ix.	Washability, cycles, min.		Shall be cleaned up to 200 scrubs without exhibiting wear or signs or loss of adhesion.		ISO 11998
x.	Particle size for aggregated textured paints		Particles size for aggregated textured finishes shall be as specified in the labelling	N/A	ISO 3310-1
xi.	Resistance to growth of moulds		Shall be resistant to growth of moulds		ASTM D3273
Additional parameters					
xii.	pH		7.0 – 9.5		ISO 19396-1 ISO 19396-2
xiii.	Adhesion (cross hatch), Data required during the public inquiry stage		Class 0–1 (very good adhesion)	Class 0–1	ISO 2409

5 Packaging

Textured paint shall be packaged in a suitable container that prevents it from deterioration during storage, transportation and normal handling.

6 Labelling

6.1 The labelling shall be either in English, Kiswahili or French or in combination as agreed between the manufacturer and/or the supplier. Any other language is optional.

6.2 Each container shall be legibly and indelibly marked with the following information:

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- a) name of the product as “textured paint”;
- b) classification of textured paint;
- c) manufacturer’s name and physical address name and physical address of the manufacturer and/or registered trademark;

NOTE The name, physical address of the distributor/supplier and trademark may be added as required.

- d) net content;
- e) date of manufacture;
- f) best before date;
- g) indication of colour/colour code;
- h) particle size for aggregated paints;
- i) instructions for use, storage. disposal and safety requirements; and
- j) batch number.

7 Sampling

Sampling of textured paint shall be done in accordance with ISO 15528.

Bibliography

EAS 998:2021, *Textured Paint— Specification*

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