



The Kenya Power & Lighting
Co. Ltd

TITLE:
**SPECIFICATION FOR
PAINT.**

Doc. No.	KPLC1/3CB/TSP/08/005
Issue No.	1
Revision No.	0
Date of Issue	2009-09-24
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Annex A: Guaranteed Technical Particulars and Statement of Compliance (to be filled and signed by the supplier and submitted together with copies of the manufacturer's catalogues, data sheets and certificates for tender evaluation)

Issued by: Head of Section, Tech Stds & Specs

Signed: *[Signature]*

Date: 2009-09-29

Authorized by: Head of Department, R&D

Signed: *[Signature]*

Date: 2009-09-29



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0.1 Circulation List

COPY NO.	COPY HOLDER
1	Research & Development Manager
2	Procurement Manager
3	Stores & Stock Control Manager
4	Deputy Manager, Administration
5	Deputy Manager, Technical Audit

0.2 Amendment Record

Rev No.	Date (YYYY-MM-DD)	Description of Change	Prepared by (Name & Signature)	Approved by (Name & Signature)

Issued by: Head of Section, Tech Stds & Specs

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FOREWORD

This specification has been prepared by the Research and Development Department of The Kenya Power and Lighting Company Limited (KPLC) and it lays down requirements for gloss (gloss solvent borne paint) and emulsion paint. It is intended for use by KPLC in purchasing paint.

It shall be the responsibility of the supplier to ensure adequacy of the design and good practice in the manufacture of the paint for KPLC. The supplier shall also submit information which confirms satisfactory service experience with products which fall within the scope of this specification.

1. SCOPE

This specification is for gloss and emulsion paint for interior and exterior use.
(Colour to be specified for each tender)

2. REFERENCES

The following standards contain provisions which, through reference in this text constitute provisions of this specification. Unless otherwise stated, the latest editions (including amendments) apply.

KS 910: Specification for gloss solvent borne and emulsion paints for interior and exterior use.

KS 03-161: Methods of test for paints, varnishes, lacquers and enamels.

KS 03-83: Glossary of terms relating to paints.

3. TERMS AND DEFINITIONS

For the purpose of this specification, the definitions given in the reference standards shall apply.

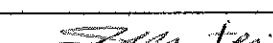
4. REQUIREMENTS

4.1 General

4.1.1 The paint shall be manufactured in accordance with KS 910 and shall be premium grade quality (also referred to as 1st quality).

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- 4.1.2 The material shall consist of suitable pigments in an appropriate binder that shall contain drying oil, water and varnish as the basic vehicle ingredient.
- 4.1.3 The paint shall be premium quality with good spectral reflection.
- 4.1.4 The paint shall be free of gel, coarse particles, foreign matter and skin and be in such a condition that at the time of delivery manual stirring produces a homogenous product of uniform consistency.
- 4.1.5 When determined in accordance with KS 910, the non-volatile matter content shall be not less than 60% by weight. The paint shall show no skin formation and shall have a viscosity range as per KS 910 for premium quality paint.

4.2. Properties

- 4.2.1 The paint shall have maximum durability under normal conditions and a high abrasion resistance. It shall have excellent gloss retention under most conditions including high humidity.
- 4.2.2 The paint shall have a minimum opacity of 70 μ m as per KS 910 and be non-fading. The color shall be in accordance with BS 4800.
- 4.2.3 The paint shall be easy to brush and show satisfactory flowing, spreading, leveling and lapping properties.
- It shall be suitable for use on wood, metal, plaster, wallboard, stonewall etc. It shall not contain any corrosive properties.
- 4.2.4 The paint shall contain a suitable suspending agent that shall prevent hard settlement during storage. It shall mix easily with the solvent.
- 4.2.5 The paint shall not blister when applied even under humid conditions. It shall not chip easily when dry after application.
- 4.2.6 The paint shall have a good opacity both when wet and dry. There shall be no separation of phases.

5. TESTS AND INSPECTION

- 5.1 Tests and inspection shall be done in accordance with KS 03-161, this specification and shall include determination of flow time, density, effect of heat, light fastness and determination of volatile and non-volatile matter. It shall be the responsibility of the manufacturer to perform or to have performed all the tests specified.

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- 5.2 Copies of previous test reports certified by the relevant National Testing Authority confirming compliance of the Gloss Solvent Borne and Emulsion Paints Paint offered with the specified requirements shall be submitted with the offer for evaluation (all in English Language).
- 5.3 Routine and sample test reports for the paint to be supplied shall be submitted to KPLC for approval before delivery of the goods.

6. MARKING, LABELLING AND PACKING

- 6.1 The paint shall be packed in air tight 4 litre or 1 litre containers protected against corrosion in normal use and when stored under humid conditions. Where required the emulsion type may be supplied in 20 litre containers (of the same properties).
- 6.2 The container shall be clearly and indelibly marked with the following information (marked indelibly and legibly):
- The name or trade mark of the manufacturer
 - Type of product; in this case Premium Super Gloss and Emulsion Paints.
 - The color of the paint in accordance with BS 4800
 - The date of manufacture
 - The standard to which the paint complies
 - The quantity of the contents
 - Approvals by relevant Authority
 - Expiry or use before date
 - Any cautionary notices that may apply

Annex A: Guaranteed Technical Particulars and Statement of Compliance (to be filled and signed by the supplier and submitted together with copies of the manufacturer's catalogues, data sheets and certificates for tender evaluation)

Clause Number	Bidder's offer	Manufacturer's catalogue, drawing, technical data or certificate Reference Page to support the offer.
4.1		
6.2		

NB: - This schedule does not in any way substitute for detailed information required elsewhere in the specification.

.....
Supplier's Name, Signature, Stamp and Date

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