



PLANT PURCHASING SPECIFICATION
BHOPAL

BP 56184 ✓

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SUPERSEDES
HE 5052 (NI)

QUICK DRYING MATT BLACK PAINT

1. **GENERAL:** This specification governs the quality of Quick Drying Matt Black Paint which shall be capable of being brushed, sprayed or flow coated by thinning suitably with white spirit conforming to Corporate Purchasing specification AA 56701.
- The paint shall be compatible on surfaces primed with any primer conforming to IS: 2074 - 1979 and Corporate Purchasing Specification No. AA 56101 "Anti-Corrosive Priming Paint".
2. **APPLICATION:** Used for painting on aluminium sheets/sections etc.
3. **COMPLIANCE WITH NATIONAL STANDARDS:** There is no Indian Standard covering this material.
4. **COLOUR:** Black.
5. **FINISH:** Matt, Smooth & Uniform.
6. **FREE FROM DEFECTS:** The paint shall remain free from defects like hard setting of pigments, skinning when kept in a closed container and livering (excessive viscosity build up) during its rated shelf life.
- The dried paint shall be free from defects like bittyness, floating of pigments, surface haze, orange peeling, colour fading, wrinkles etc.
7. **CHEMICAL COMPOSITION:** The material shall be based on synthetic resins. It shall be free from natural or modified natural resins. The composition of the pigment and the vehicle of the bulk supply as determined by infra red spectrography to be strictly adhered to the type approved sample.
8. **TEST SAMPLES:** Tender samples will not be required when the type approval (Clause 10) is given and the supplier concerned declares that the material for which the tender is given is of the same quality as the type approved sample.
- Representative samples of the material shall be drawn and treated as prescribed under clause 3 of IS: 101.
9. **PROPERTIES:** Until and unless specified against each clause, when tested in accordance with IS: 101, the test samples shall show the following properties.
- 9.1 Consistency at $25 \pm 2^\circ\text{C}$
120 $\pm$ 20 secs in cup No. 4 to IS: 3944.
- 9.2 Specific Gravity at $25 \pm 2^\circ\text{C}$
1.0 to 1.2
- 9.3 Solid at 140°C
30 $\pm$ 4%.
- 9.4 Air Drying Time
- 9.4.1 Surface Dry: 1 Hour, MAX.
- 9.4.2 Hard Dry: 4 Hours, 1 MAX.
- 9.4.3 Tack Free: 8 Hours, MAX.
- 9.5 Gloss
10%, Max (Matt).
- 9.6 Spreading Capacity
10 Sq. M/Litre/Coat Min.

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TECHNICAL SERVICES DEPARTMENT



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9. PROPERTIES:
(Contd....)

9.7 Scratch Hardness

1000 gms, Min.

9.8 Flexibility and Adhesion

3.0 mm, min. by Erichsen Flexibility Tester.

9.9 Humidity Corrosion for 7 days

To pass the test.

10. TYPE
APPROVAL:

10.1 Samples

Samples for type approval testing, shall be accepted only from those manufacturers whose manufacturing and testing facilities are considered satisfactory to ensure continuous supply of good product.

11. TEST
CERTIFICATE:

Unless otherwise stated, three copies of test certificates shall be supplied giving the following information.

BP 56184 : Quick Drying Matt Black Paint.

BHEL Order No.

Suppliers Name & Trade Mark, if any.

Batch No.

Date of Manufacture & Expiry

Test Results of clause 7 & 9.

12. KEEPING
PROPERTY:

When stored in a covered dry place in the original sealed container under normal temperature conditions, the material shall retain the properties prescribed in this specification for a period of 12 months after the date of manufacture which shall be subsequent to the date of placing the order.

13. PACKING
&
MARKING:

Unless otherwise stated, the paint shall be packed in 4 litres container.

Each container shall bear the following information.

BP 56184 : Quick Drying Matt Black Paint

Colour/Shade

BHEL Order No.

Manufacturer's/Supplier's Name

Trade Mark, if any

Batch No.

Date of Manufacture & Expiry

Quantity

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