

SPECIFICATION FOR TOP COATING PAINT

Approved by

**RAJIV
KUMAR
BARNWAL**

Digitally signed by RAJIV KUMAR BARNWAL
DN: c=IN, st=West Bengal,
2.5.4.20=cbb287a96c87ef65069b4c115d125
fb200f09010670176136433c61d5b3de6c6,
postalCode=713331, street=OFFICE OF
CEE / TM WORKS OFFICE CLW
CHITTARANJAN,
pseudonym=91033d17157100cf9ef88d715
139bec7,
serialNumber=c4c6235df288d9fa480ffb614
e443504b6ffc34164f1219198474a97078559
c9, ou=ELECTRICAL, o=CHITTARANJAN
LOCOMOTIVE WORKS, cn=RAJIV KUMAR
BARNWAL
Date: 2022.11.22 17:01:57 +05'30'

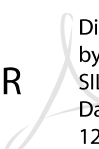

CEE/TM

Remark: Revision '1' done for Digitization

SPECIFICATION FOR TOP COATING PAINT 3-PHASE TRACTION MOTOR TYPE 6FRA- 6068 & 6FXA-7059.		CHITTARANJAN LOCOMOTIVE WORKS, WEST BENGAL, INDIA NO.: 4TMS.096.020 REV.1 First Date of Issue: 05.10.1997		Page 1 of 4
Prepared by	SUJIT KUMAR SIL <small>Digitally signed by SUJIT KUMAR SIL Date: 2022.11.15 12:54:17 +05'30'</small>	Reviewed by	RANJAN KUMAR PRAMANIK <small>Digitally signed by RANJAN KUMAR PRAMANIK Date: 2022.11.16 16:55:21 +05'30'</small>	
SSE/TMDO		DY.CEE/TMD		

2766926/2022/O/o DY.CEE/TMD/PC/CLW

ALT NO.	AUTHORITY	DESCRIPTION	SIGNATURE	DATE

SPECIFICATION FOR TOP COATING PAINT 3-PHASE TRACTION MOTOR TYPE 6FRA- 6068 & 6FXA-7059.		CHITTARANJAN LOCOMOTIVE WORKS, WEST BENGAL, INDIA NO.: 4TMS.096.020 REV.1 First Date of Issue: 05.10.1997		Page 2 of 4
Prepared by	SUJIT KUMAR SIL  Digitally signed by SUJIT KUMAR SIL Date: 2022.11.15 12:54:32 +05'30'	Reviewed by	RANJAN KUMAR PRAMANIK  Digitally signed by RANJAN KUMAR PRAMANIK Date: 2022.11.16 16:56:21 +05'30'	
SSE/TMDO		DY.CEE/TMD		

1.0. Scope

This specification covers supply of 'Top Coating Paint' to be used for 3-Phase Traction Motor type 6FRA-6068/6FXA 7059

2.0. Technical Specification

2.1 The material shall be Polyurethane enamel based on acrylic resin for flat and structured surfaces with good general chemical resistance.

The product shall have a short drying time and excellent direct adhesion on a wide variety of metallic, mineralic and plastic substrates.

2.2 Colour: Light Grey.

2.3 Properties:

Sl. No.	Description	Values
1.	Viscosity at Delivery	Pasty
2.	Pot-Life (20°C)	8 hours
3.	Minimum temperature for application and drying	+5°C
4.	Maximum humidity during application and drying	80% rel. hum.
5.	Dry content (mixture)	approx. 69%
6.	Density 20°C (mixture)	approx. 1.2 kg/l
7.	Consumption at a dry film thickness of 40 microns	85 g
8.	Drying conditions for 40 microns at 20°C	
a)	Dust free after	20 minutes
b)	Touch dry after	3 hours
c)	Stakable after	6 hours
d)	Accelerated drying at 80°C	30 minutes
9.	Storability in sealed unopened containers (20°C)	12 months
10.	Flash point (mixture)	>23°C
11.	Temperature Resistance (a) Short Time (b)Permanent	160°C -130

SPECIFICATION FOR TOP COATING PAINT 3-PHASE TRACTION MOTOR TYPE 6FRA- 6068 & 6FXA-7059.		CHITTARANJAN LOCOMOTIVE WORKS, WEST BENGAL, INDIA NO.: 4TMS.096.020 REV.1 First Date of Issue: 05.10.1997		Page 3 of 4
Prepared by	SUJIT KUMAR SIL Digitally signed by SUJIT KUMAR SIL Date: 2022.11.15 12:54:47 +05'30'	Reviewed by	RANJAN KUMAR PRAMANIK Digitally signed by RANJAN KUMAR PRAMANIK Date: 2022.11.16 16:57:10 +05'30'	
SSE/TMDO		DY.CEE/TMD		

3.0. Packing

The packing shall be of metal container of 20 kg, coated with non-reactive (with varnish) coating and secured with sealing. The packing shall be labelled with the following information:

- i) Name of Paint.
- ii) Maker's Name.
- iii) Batch No. and Date of manufacture.
- iv) Shelf Life.
- v) Gross and Net weight.

SPECIFICATION FOR TOP COATING PAINT 3-PHASE TRACTION MOTOR TYPE 6FRA- 6068 & 6FXA-7059.		CHITTARANJAN LOCOMOTIVE WORKS, WEST BENGAL, INDIA NO.: 4TMS.096.020 REV.1 First Date of Issue: 05.10.1997		Page 4 of 4
Prepared by	SUJIT KUMAR SIL	Reviewed by	RANJAN KUMAR PRAMANIK	
SSE/TMDO	Digitally signed by SUJIT KUMAR SIL Date: 2022.11.15 12:55:00 +05'30'	DY.CEE/TMD	Digitally signed by RANJAN KUMAR PRAMANIK Date: 2022.11.16 16:58:05 +05'30'	