



COMPANY STANDARDS

C6001-10

TITLE :

TEMPORARY CORROSION PREVENTIVE,
SOFT FILM, SOLVENT DEPOSITED

PAGE NO. 1 OF 3

DATE :

1999-08-19

0. GENERAL :

This standard has been revised to provide details of test methods, characteristics and application. The approved brand are also indicated to facilitate procurement and usage.

This issuance supersedes C6001-10 Issue-0 dated 1987-07-03.

1. SCOPE : This specification covers the requirements, properties, appropriate testing methods and performance characteristics of corrosion preventive oil, soft film, solvent deposited, suitable for protection of clean metal surface during transport and storage.

2. APPLICATION :

- 2.1 This temporary corrosion preventive forming soft thin film is applied on cleaned metal surfaces. It gives long term indoor protection and short term out door protection. This shall be applicable to parts like steel tubes, sheathing, wheel rims, auto parts, chains, unpainted surfaces and shafts etc,. The corrosion preventive shall be suitable for application by dipping, spraying or brushing at ambient conditions.

- 2.2 This corrosion preventive is intended for use for the protection of clean/machined steel surfaces. The corrosion preventive is expected to provide indoor corrosion protection for a period of 18 months minimum.

3. GENERAL REQUIREMENTS :

- 3.1 The temporary corrosion preventive shall be smooth homogeneous fluid consisting essentially of film forming ingredients dissolved in suitable solvents with or without any corrosion inhibitor or stabilizing agent.

This shall be free from water, dirt and other visible impurities and shall not be toxic.

Supplies of this corrosion preventive shall conform to IS:1674 latest issuance.

PREPARED BY :
CSD/SURFACE
TREATMENT COMMITTEE

ISSUANCE :
01

REPLACEMENT FOR:

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REFERENCE :

IS:1674

APPROVED BY :

G

D(G)

D(P)

**3.2 RESIDUAL FILM :**

After application the temporary corrosion preventive shall leave a residual, thin, soft, waxy or grease like film.

3.3 WETTING PROPERTIES :

This preventive shall thoroughly wet clean metal surfaces and form a smooth un-broken film.

3.4 REMOVABILITY :

The film shall be easily removable by using petroleum solvents like white spirit/kerosene.

3.5 TECHNICAL REQUIREMENTS :

The corrosion preventive shall comply with the requirements prescribed in Table-1.

TABLE-1**REQUIREMENTS**

SL NO	TEST CHARACTERISTICS	REQUIREMENTS	TEST METHOD
01	APPEARANCE	Free from dirt and visible impurities and shall not be toxic	--
02	APPEARANCE (Residual film)	The residual film shall be thin, soft, waxy/grease	--
03	FLASH POINT (Abel) min. °C	25	Part-20 IS:1448
04	STABILITY	There shall not be any separation or sedimentation	Appendix-C IS:1674
05	PROTECTION AGAINST CORROSION TEMP. :42 to 48°C High Humidity Duration : 168 h	Free from corrosion	Appendix-A IS:1674
06	DRAINAGE TEST % loss in mass max.	10	Appendix-B IS:1674



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TABLE-1 (Contd..)

SL NO	TEST CHARACTERISTICS	REQUIREMENTS	TEST METHOD
07	KEEPING PROPERTIES (Stored in original sealed containers under normal - conditions) months, min.	12	Shall retain properties as per this Company Standard
08	COVERAGE m ² /l min.	50	Part-4 Sec-2 IS:101
09	SPECIFIC GRAVITY at Room temp.	0.86 to 0.87	Part-1 Sec-2 IS:101

4. PACKING :

Unless otherwise specified in the Purchase Order /Contract, the corrosion preventive oil shall be packed in metal containers.

5. MARKING :

Each container shall be marked with the following :

BEML Specification No.

BEML Order No.

Name of the Manufacturer and/or Trade Mark, if any.

Batch No.

Mass/Volume of the Material

Month and year of Manufacture

Date of Expiry

NOTE : Latest standards shall be referred

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