



**PRODUCT STANDARD**  
SWITCHGEAR ENGINEERING DIVISION

SG 12635 REV.04

PAGE 1 OF 3

**SELF-ADHESIVE/STICKER LABEL (INSTANT LABEL) (TEMP INDEX 100)**

**1.0 GENERAL :**

This specification governs the quality of SELF-ADHESIVE/STICKER (INSTANT LABEL) (TEMP INDEX 100). The label shall be resistant to dry & damp heat and electrolytic corrosion. The material shall have temperature index of at least 100.

**2.0 APPLICATION :**

The Instant labels shall be suitable for use on 2-3 mm sheet steel zinc plated passivated or painted surfaces to be used in INDOOR / OUTDOOR panels exposures for the following applications.

- RATING PLATES / COMPANY MONOGRAMS / NAME PLATE.
- INSTRUCTIONS LABEL.
- NOMENCLATURE LABEL.
- LINE DIAGRAM / MIMIC DIAGRAM / FLOW CHART ETC.
- CAUTIONS LABEL.
- PHASE IDENTIFICATIONS.

It shall not be possible to remove the Label from the surface without any damage.

**3.0 COMPLIANCE WITH NATIONAL STANDARDS :**

There is no Indian Standard covering this type of material.

**4.0 DIMENSIONS AND TOLERANCES :**

DESCRIPTIONS, SIZES, LETTERS COLOUR & BACK GROUND COLOUR Shall be as per drawings and order.

**5.0 BACKING MATERIAL :**

The backing material shall be either metallised Polyester over laid with polyester or soft cast vinyl specially formulated to with stand outside weather conditions & abrasion resistance.

**6.0 ADHESIVE :**

The adhesive used shall be of suitable pressure sensitive at least 100 temperature class. Composition of adhesive in bulk supply as determined by Infra-Red Spectrophotometer or by any standard method shall confirm to type approved sample.

**7.0 FINISH :**

The Instant Label shall be free from surface or edge defects, inclusions, voids, pin-holes, cracks which may effect its suitability for use. Instant label shall be "PROTECTED" OR "WRITEN PROTECT".

**COPYRIGHT AND CONFIDENTIAL**

The information on this document is the property of Bharat Heavy Electricals Limited  
It must not be used directly or indirectly in any way detrimental to interest of Co.

<b>REV.</b>	04	<b>PRINTS TO :-</b>		<b>APPROVED -</b>		
<b>ALTD.</b>		CEG	1	R.K.SHUKLA		
<b>APPD.</b>		PD & D	1	<b>PREPARED</b>	<b>ISSUED</b>	<b>DATE</b>
<b>DATE.</b>	22/11/2k	CEE-STD	1	GBG	BPN	5/12/97
		SWM (PLNG)	1			
		QCX (SCR)	1			



**PRODUCT STANDARD**  
SWITCHGEAR ENGINEERING DIVISION

SG 12635 REV.04

PAGE 2 OF 3

8.0 **SHELF LIFE :**

More than 12 months at normal room temperature.

9.0 **PROPERTIES :**

9.1 DIMENSION STABILITY : 0.2 mm maximum.

9.2 ADHESIVE STRENGTH : Minimum 180 gm / cm (IS : 7809 Part II)

9.3 TENSILE STRENGTH : 22 N/Sq.mm (IS : 7809 Part II)

9.4 ELONGATION : 25 % (IS : 7809 Part II)

9.5 FLAMMABILITY : SELF EXTINGUISHING. (IS : 7809 Part II).

9.6 ACCELERATED AGEING : No Negative Effect ON 1500 Hours Exposure.

9.7 DRY HEAT : 100 + 3 deg. C.

Label shall be applied on a painted surface and aged at 100 + 3 deg. C. for 24 hours. After removal from the oven, there shall be no appreciable change on visual examination.

9.8 DAMP HEAT : 55 + 2 deg. C. HUMIDITY – 95 to 100%.

Label shall be applied on a painted surface and exposed to tropical conditioning at a temperature of 55 + 2 deg. C. HUMIDITY – 95 to 100 %. After removal from the oven, there shall be no appreciable change on visual examination.

9.9 CHEMICAL RESISTANCE : Resistance to most of the chemicals and solvents like

Gasoline, Diesel oil, Transformer oil, Antifreeze distilled water, Detergent solution, S.A.E. motor oil, Kerosin etc. The test shall start after application of labels on to the surface after 24 hours. The label shall be immersed in above chemicals for 60 minutes & it should remain intact on the surface.

**COPYRIGHT AND CONFIDENTIAL**

The information on this document is the property of Bharat Heavy Electricals Limited  
It must not be used directly or indirectly in any way detrimental to interest of Co.



**PRODUCT STANDARD**  
SWITCHGEAR ENGINEERING DIVISION

SG 12635 REV.04

PAGE 3 OF 3

**COPYRIGHT AND CONFIDENTIAL**

The information on this document is the property of Bharat Heavy Electricals Limited  
It must not be used directly or indirectly in any way detrimental to interest of Co.

10.0 **ACCEPTANCE NORMS :**

10.1 **TEST CERTIFICATE :**

Three copies of test certificate shall be supplied of compliance for the properties specified in clause 9.0 with each consignment.

10.2 **TEST SAMPLES :**

New Supplier shall submit 5 Nos. samples of the Labels for testing and approval before printing full bulk quantity.

11.0 **PACKING AND MARKING :**

11.1 The Labels shall be supplied in such way that both sides are well protected so as to prevent distortion of the (PROTECTED) labels under normal conditions of transportation and use.

11.2 The adhesive side of the Label shall be on the inside surface and suitable interleaving material between the Label and base material shall be used.

11.3 Labels shall be packed in such a manner that it is adequately protected from damage in transportation and from deterioration due to climatic condition. Packing shall be protected in such a manner that they will not adhere to each other or to the container.

11.4 Each package shall be marked with the following information :

SELF-ADHESIVE/STICKER LABEL (INSTANT LABEL)  
(TEMP INDEX 100)

: SG12635

BHEL Order No. :  
CODE NO. :  
Batch/Lot No. :  
Manufacturer's Name and Type :  
Month and Year of Manufacture :  
Shelf life ..... Viz use before  
Quantity.

( Date of Expiry ).

**LIST OF APPROVED SUPPLIER**

1.0 PRODUCT ABRESTAL, STATICAL & FLEET MARK OF SJS  
ENTERPRISES. M/S COMPACT AGENCIES.

		<p>2.0 PRODUCT PERMACEL INSTACAL PM OF JOHNSON &amp; JOHNSON M/S CHAMBEL AGENCIES.</p>
--	--	--