

**Material Safety Data Sheet Paper Base Industrial
Laminate Grade P1 / P2 / Fabric Base Industrial
Laminate Grade F2 / F3**

August 2009

Hazchem Code: Not applicable
Poisons Schedule: Not applicable

Use:

Paper Reinforced Phenolic Resin Board Laminate for use In Electrical Insulating areas, such as meter box backs, bus bar supports , arc shields etc., whereas Fabric Base Industrial Laminate is used for mechanical application.

Physical Description / Properties:

Appearance - Flat dark brown colour of various sizes and thicknesses of Paper Base Industrial laminates.
 - Flat Natural brown colour of various sizes and thicknesses of Fabric Base Industrial laminates.

Boiling Point: Not applicable

Vapour Pressure: Not applicable

Specific Gravity: Not applicable

Flashpoint: Not applicable

Flammability Limits: Not applicable

Solubility In water: Not applicable

Material Safety Data Sheet
Paper Base Industrial Laminate Grade P1/P2 / Fabric
Base Industrial Laminate Grade F2 / F3

Product Identification (continued)

Ingredients:

Chemical / Generic Name	CAS Number	Proportion
Phenol-Formaldehyde Resin	903-35-4	40%
Cellulose Fibre	Not available	0%
Free Phenol	108-95-2	<0.2%
Free Formaldehyde	50-00-0	<0.1%

Health Hazard Information:

Acute

Swallowed: Some tissue Irritation is possible

Eye: May cause eye Irritation.

Skin: May Irritate skin.

Inhaled: May cause Irritation.

Chronic:

Prolonged or repeated skin contact may result in Irritant contact dermatitis and/or allergic contact dermatitis. Possible risk of respiratory sensitisation (asthma). Formaldehyde is listed as a suspected human carcinogen, however the small quantities found in and released by Paper / Fabric Base Industrial laminate are not considered to constitute a health risk.

Health Hazard Information (Continued)

First Aid

- Swallowed: Drink a glass of water
- Eye: Rinse eye with water for at least 15 minutes. Seek medical advice if necessary.
- Skin: Remove contaminated clothing wash skin with soap and water.
- Inhaled: Remove patient to fresh air. Call doctor

First Aid Facilities: No Data

Advise to Doctor: No Data

Precautions for Use:

Exposure Standards

Formaldehyde: 1 ppm TWA

Engineering Controls:

Adequate general ventilation is recommended and dust extraction equipment is recommended.

Personal Protection:

Respirator: An approved respirator suitable for use against particulate (If cutting) or fume (If welding) can be used to reduce exposure. An additional organic vapour cartridge (single use, Type M) may be used in the event of high formaldehyde levels. A respirator, if used, should comply with AS171G in accordance with AS1715

Glove Type: The use of cotton gloves will reduce skin contacts.

Eye Protection: Use of safety glasses selected in accordance with AS I 33G and complying with AS 1337 is recommended to protect against flying particles.

Clothing: Use of long trousers and shirts with long sleeves are recommended to reduce skin contact.

Flammability: Paper / Fabric Base is not flammable

Safe Handling Information:

Storage areas should have adequate general ventilation, particularly in hot climates, to prevent high levels of formaldehyde gas.

Spills and Disposal:

Suitable for disposal with regular trade waste.

Fire / Explosion hazard:

Possible thermal decomposition products include carbon monoxide, carbon dioxide ammonia and oxides of nitrogen

Other information:

Hearing protection should be worn during cutting of sheets.

Storage Life: Indefinite.

OH&S Issues:

The Phenolic resin used in the Industrial Laminate (Paper / Fabric) is fully cured and hence Inert.

Full size Sheet availability: 2440mm x 1220mm

Quality Testing:

I. Dimensional Specification for Full size Sheets:

Thickness:

Length: As per requirement

Width: Nominal +/- 1.5mm

Squareness: Nominal +/- 1.0mm

2.0mm. Difference In diagonal lengths not to exceed

2. Flatness Specification: 5% of Length

Dimensional Specifications for Cut Down Sheets as per Customer Requirement.

Thickness:

Length: As per requirement

Width: Nominal +/- 1.5mm

Squareness: Nominal +/- 1.0mm

2.0mm. Difference In diagonal lengths not to exceed

2. Flatness Specification: 5% of Length

Dimensional Specifications for Cut Down Sheets as per Customer Requirement.