

IWS Fastboard – C.O.S.H.H Technical Data Sheet FB01

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Intelligent Wood Systems Ltd

Innovation in construction products

FAST Built in

Walls

Floors

Roofs

Components

The details in this leaflet provide information on the IWS FAST Board product to enable assessments to be undertaken in accordance with the COSHH Regulations 2002 (as amended) to ensure that any risks in using or handling the product are minimised.

1 Product Information

Trade Name: IWS-FAST® Board

Generic Name: Magnesium Oxychloride board with silicate.

Supplier: IWS – Intelligent Wood Systems, Shore Road, Harbour, Perth PH2 8BD

2 Product ingredients

Magnesium plate combining:

- active high-purity magnesium oxide (MgO)
- high quality magnesium chloride (MgCl₂)
- alkali-resistant glass fibre fabric
- silicate
- timber fibres
- perlite filler.

3 Physical Data

Appearance: Board product 2400 or 2700mm x 1200mm x 9.5 or 7mm thick

Colour: White

Odour – no odour

Boiling Point: N/A

% volatile by volume: 0%

Vapour pressure: N/A

Water solubility: N/A

Melting point: N/A

Evaporation rate: Nil

Density: **1150 kg/m³**

Surface ph: up to 11

4 Fire and Explosion data

Flash point: N/A

Fire fighting media: Foam/water

Flammability: Non combustible

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5 First aid measures

Eye contact: Use water to wash skin thoroughly
Ingestion: Rinse out mouth and drink water
Inhalation: remove person/s from area to well ventilated or fresh air

6 Toxicological information

Routes of ingress:

Eyes: dust generated from cutting boards may cause irritation
Lungs: dust may cause irritation of the respiratory tract
Ingestion: will cause mild discomfort
Long term effects: Prolonged inhalation of high concentrations of the dust may cause respiratory conditions.

IWS-FAST® Board does not contain radioactive substances, asbestos or formaldehyde.

7 Personal protection

Eyes: Safety glasses to be worn at all times when cutting board
Skin: protective gloves and overalls
Inhalation: Mask with dust type filter P2
Environment: working environment to be well ventilated.

When cutting boards always use dust extraction and wear face masks.

8 Handling and storage

All manual handling of the product must be carried out in accordance with the Manual Handling Operations Regulations:

All boards should be handled by two persons at all times.

The density of the board is **1150 kg/m³**. To calculate the weight of a cut board, multiply the volume (length x width x thickness in metres) by the density.

Reference dimensions:

1200 x 2400 x 9.5mm = **31kg**

1200 x 2700 x 9.5mm = **35kg**

IWS-FAST® Boards must be stored flat on pallets (to ensure raised from the ground), under cover. They should not be leant upright for extended periods of time.

IWS-FAST® Boards must not be dragged across each other as this could cause unnecessary scratching or damage.

Any moisture allowed to infiltrate between the sheets may cause permanent surface staining, although this will not affect the physical properties of **IWS-FAST® Board**. To stop staining, they should be protected from the weather at all times.

IWS recommend that **IWS-FAST® Boards** are cut using a utility knife, such as a Stanley knife.

9 Other information

Occupational exposure standard (OES): Magnesium oxide

Total Inhale dust: **10mg/m** (8 hour TWA reference period)

Fume and respiratory dust: **4mg/m** (8 hour TWA reference period), **10mg/m** (15 minute TWA reference period)

10 Waste disposal

IWS-FAST® Board does not fall under plasterboard regulations. The ph value is up to 11. There are no special regulation requirements for the disposal of the board and it can be considered as general waste. It is good practice to keep product types separate for waste disposal companies.

11 Regulatory information

The product is classified as non-hazardous.

This data sheet is issued in compliance with the general requirement of Section 6 of the Health & Safety at Work Act 1974, for the provision of information to make the user aware of any risks to health and safety of a product.

12 Disclaimer

Since the users working conditions are not known by us, the information supplied is based upon our current knowledge of general working procedures. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information given above must be regarded as a description of the safety requirements relating to the product and not a guarantee of its properties.