

## Safety Information

Concerning the Handling of **alkus** GM/AL-Panels

valid as of 07/2011

### 1. Identification of the Substances and of the Company:

- |     |             |  |
|-----|-------------|--|
| 1.1 | Trade name  | <b>alkus</b> GM Panel or <b>alkus</b> AL Panel                           |
| 1.2 | Application | e.g. in concrete formwork systems as facing for slab forms or wall forms |
| 1.3 | Supplier    | <b>alkus</b> AG  |

### 2. Physical Description/Properties

Information on Ingredients

GM Panel: Multi-layer sandwich panel made of polypropylene foam and glass fibre enhanced-polypropylene-surface layers.

AL-Panel: Multi-layer sandwich panel made of polypropylene foam, aluminium sheets, and polypropylene surface layers.

Appearance:	flat sheet panel ranging in thickness from 5.7 – 12.5 mm (GM-Panel) Flat sheet panel ranging in thickness from 13 – 27 mm (AL-Panel)
Colour	mainly grey or otherwise coloured
Odour	odourless
Boiling Point	not applicable
Vapour Pressure	not applicable
Melting point	> 155° C
Solubility in Water	insoluble
Specific Gravity	depends on thickness of the panel
Flamability in air	fine airborne dust, generated when the product is machined, can ignite spontaneously
Auto-ignition temperature	> 300° C

### 3. Health Hazard Information

**This product is not classified as hazardous.** During handling electrostatic discharge may occur. The common limit values for dust release should be observed. These are written down in the TRGS 900 (MAK values).

Exposure to dust produced from machining the panels may result in the following health effects:

Swallowed	unlikely to occur, but may cause choking if swallowed First Aid: drink a glass of water, if still uncomfortable, seek medical assistance
Eyes	dust, shavings or fines may be irritating to the eyes, causing discomfort and redness First Aid: flush extensively with flowing water to remove particles. If symptoms persist, seek medical assistance
Skin	Skin contact may result in itching and a red rash First Aid: wash with mild soap and running water

Inhaled                    Inhalation of dust, shavings or fines may cause irritation of nose, throat or lungs  
First Aid: leave dusty area

Chronic effects non known. Advice to Doctor: treat as per above information.

#### **4. Flamability/Fire Fighting Measures**

4.1 The product is flammable but difficult to ignite.

Avoid sparks and sources of ignition in all electrical equipment, including dust extraction equipment.  
People must not smoke in storage or work areas.

4.2 Fire Fighting Measures

Suitable extinguishing media: water in spread jet, dry chemical fire extinguishers (foam /carbon dioxide)  
Special exposure hazards: principal toxicants in the smoke are carbon monoxide (CO) and/or carbon dioxide (CO<sub>2</sub>).

#### **5. Precautions for Use**

5.1 Engineering Controls

All work with these panels should be carried out in such a way as to minimise the generation of dust, shavings and fines. Excessive levels of dust, shavings and fines may present a slippage hazard on hard surfaces. Under factory conditions, machining should be done with equipment fitted with exhaust devices. Hand power tools should be fitted with dust bags. Avoid a build-up of dust and keep all work areas well ventilated. They should be cleaned daily and dust/shavings/fines removed by vacuum cleaning or sweeping. Take measures against electrostatic discharge. All equipment must be earthed.

5.2 Personal Protection:

General use safety glasses should be used. If dust exposures are not controlled when machining (sawing, routing, drilling etc.) a replaceable filter or disposable half face respirator should be worn. Avoid inhalation of dust or decomposition fumes.  
Wear loose, comfortable clothing. Long-sleeved shirts, trousers and comfortable work gloves should be worn if skin irritation occurs. After handling boards, wash with mild soap and water. Do not scratch or rub the skin if it becomes irritated.

#### **6. Safe Handling Information:**

Storage and Transport

Panels should be stored in well ventilated areas away from sources of heat and flame.  
No special transport requirements are considered necessary.

#### **7. Disposal Considerations**

The product is suitable for recycling using modern methods of shredding and cleaning. To avoid pollution, off-cuts and general waste material should be placed in containers separate from other waste. The product can be burned according to the local instructions.

## 8. Further Information

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