

## **IMPORTANT**

**FORMAL NOTIFICATION IN ACCORDANCE WITH THE  
CONSUMER PROTECTION ACT 1987  
AND  
SECTION 6 OF THE HEALTH AND SAFETY AT WORK ACT 1974**

**For the attention of the Executive responsible for Health and Safety**

Dear Sir

The above legislation required that we provide our customers with details of the properties, storage and safe use of our products. We, therefore, enclose a Material Safety Data Sheet covering Monier Ltd Metal Roofing product range.

The number of individual transactions involved in carrying out our business renders it impractical to attempt to include this information with every delivery. This letter and data sheet is, therefore, our formal notification required by current legislation, and we would impress upon you the need to ensure that all direct and sub-contract employees are aware of the contents.

We will be pleased to provide further copies of the data sheet on request through our Safety Department at Crawley.

Yours faithfully  
for **Monier Ltd**

**Mark Piper**  
**Health and Safety Manager**

encs COSHH Data Sheets

**MATERIAL SAFETY DATA SHEET  
FOR  
REDLAND METAL ROOFING PRODUCTS**

**Products**

Kami TerraPlegel Hi Load  
Kami TerraPlegel  
Kami Plegel  
Kami Accessories

**Composition and Manufacture**

Redland Metal Roofing tiles are produced from cold laminated hot Zinc-galvanised steel sheet or repainted cold laminated aluminium. The metal sheet products do not emit gas, volatile chemicals or radon and do not contain unhealthy or allergy causing substances.

The sheets of tiles are formed and given a second coating of paint/polyester and some sheets additionally receive a quartz sand coating with an encapsulating coating. All coatings are oven dried and hardened before packaging.

Dry roofing and ventilation accessories comprise of :-

- i Fittings in metal matching the main components
- ii A flexible comb seal band of stable non-toxic plastic

Touch-up paint, used for raw edges after cutting, has a flammable flashpoint of 40°C and has a white spirit base. The compounds contained in the paint, in common with other commercially available oil based paints, can be harmful if inhaled over a period of time. Only small quantities of paint (it is supplied in 0.5 litre tins) may be stored and used for short periods, preferably by brushing, in well ventilated areas. Always keep the lid on when not in use to avoid evaporation of the volatile organic compounds.

**Precaution**

It is always wise to wash hands prior to eating food after handling any building materials. Although no direct hazard exists from our products, we do feel such precautions are advisable.

**Handling**

Metal Roofing tiles have, by their nature, edges which could potentially cut hands. It is therefore recommended that good quality leather tiler's gloves are worn. Additionally the TerraPlegel sheets have a rough surface caused by the quartz sand application and might be abrasive to skin. Similarly good quality gloves should be worn and some protection given to bare skin on the arms, legs or torso.

**Lifting**

Metal sheets, as with other building materials, can be weighty (between 4 & 8 kg per metre square) and, therefore, consideration to correct lifting procedures must be adopted on site to avoid injury. Being metal objects, suitable footwear should be worn to avoid injury to feet if the product is dropped. We advise training for your staff in manual handling techniques. When handling, the sheets must be lifted on the long side as lifting by the short side may damage the sheets. A mechanical handling data sheet is also available.

**Cutting**

Redland Metal Roofing tiles are often cut using power tools. Correct procedures must be adopted when such tools are used (see laying instructions).

To cut TerraPlegel you must use a circular saw or jigsaw but never use an angle grinder, which could cause hot swarf. In addition, the use of such a tool will create dust which can be hazardous if inhaled, mainly due to the silica content from sand and its abrasive nature. A suitable well fitted face mask should be worn to protect the operatives lungs. When using such tools it is also wise to wear eye protection.

Flame or welding of Redland Metal Roofing sheets is not recommended as it will damage the coating and release toxic fumes.

It is possible that the plastic coating may depolymerise during cutting, generating a small amount of vapour, inhalation of which should be avoided. If, as is normally the case, the tile sheets are being cut in the open air, exposure will be minimal.

**Transportation and Storage**

Products are delivered for short-term storage on pallets no more than 4 packs high.

The recommended method of off-loading from vehicles is by mechanical means using a forklift truck or crane and spreader bar.

When using hand off-loading methods, follow safe lifting methods and procedures to avoid personal injury.

Storage under cover is recommended for longer periods but avoid placing near fertilisers, acids, alkalis, salts or other corrosive agents or atmospheres.

**Waste Disposal**

Packing materials, when burnt, can give off toxic fumes. We recommend, therefore, that you dispose of such waste via specialist contractors. It is your responsibility to ensure that it is disposed of correctly. Waste steel and aluminium can also be recycled via an appropriate contractor.

For further guidance, please contact Technical Services Department on 08708 702595.