

METAL CLADDING DESIGN AND INSTALLATION TECHNICAL GUIDES

GUIDE 025: TRANSPORT, HANDLING & STORAGE

Introduction

Pursuant to the Health & Safety at Work Act 1974, we are required to draw your attention to the general provisions concerning the handling, shipment and use of materials.

The information laid out within this document is provided to help ensure that when using our product it will not give rise to a Health and Safety risk.

Inspecting Incoming Materials

Upon arrival of delivery, check the bundle quantities and contents within against the supplied delivery notes. If material or packing deficiencies are present, obtain written confirmation from the delivery driver, marked on the delivery notes and notify Alpha-Clad immediately.

Material Unloading

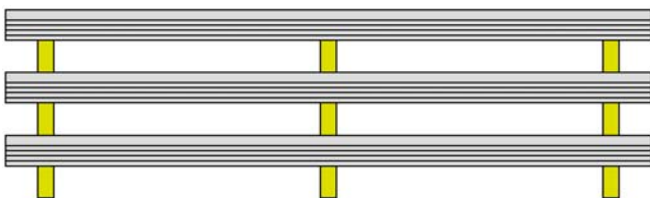
Under our terms and conditions, unloading of vehicles is the responsibility of the consignee.

Where slings or grabs are used, precautions should be taken to prevent edge damage and to avoid any pressure across the material which may cause distortion. Chains must not be used.

Please note that the banding strapped around sheet bundles/pallets must under no circumstances be used to lift or move the product as it is not designed or intended for that purpose.

Protective gloves and safety glasses should be used when releasing/cutting this banding.

To separate bundles on the delivery lorry, timber bearers are used. These bearers can be used to stack bundles on site. To prevent damage to sheets during storage, the bundles should be stacked with bearers equally spaced at centres not exceeding 1.2m (4ft).



Material Handling

Product surfaces are liable to have a slight film covering of production lubricant fluid. As a result careful handling by operatives is required.

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Due to the potential slippery nature of sheet materials, it is advised that extra care, attention and safety precautions are taken when handling/installing these products. Operatives should wear protective gloves to prevent skin laceration and skin contamination from surface fluids.

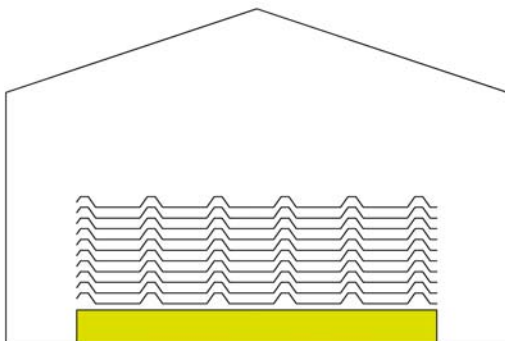
When cutting or welding galvanized steel, zinc oxide fumes are produced. Fume inhalation can cause metal fume fever, a short lasting condition with influenza like symptoms. HM Factory Inspectorate Technical Data Note 2/74 Threshold Limit Values states a $5\text{mg}/\text{m}^3$ limit for zinc oxide. Provide adequate ventilation to ensure this level is not exceeded using mechanical fume extraction where necessary.

In the event of a fire involving coated material, toxic and irritant fumes may be produced. Suitable and approved respiratory equipment should be worn by fireman.

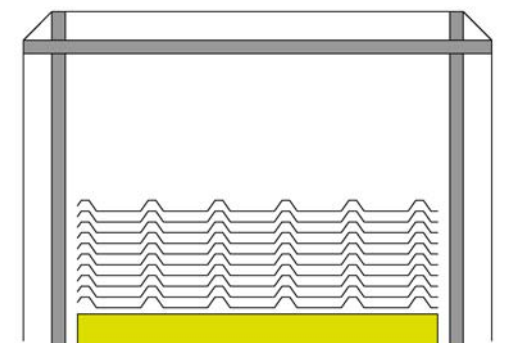
Storage on Site

General Techniques and Procedures:

- 1) Do not leave uncovered stacks in the open. Store under cover, away from open doorways.

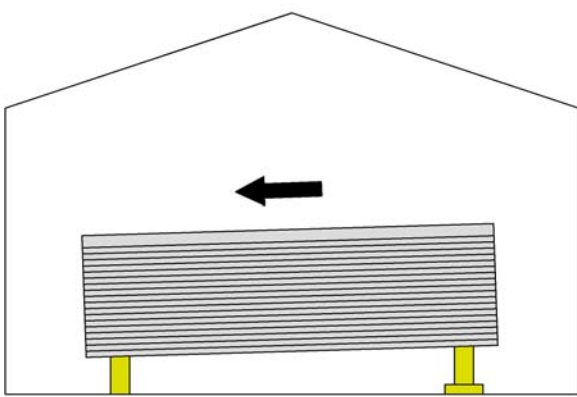


- 2) If stacks cannot be stacked under cover, erect a simple scaffold structure and cover with a waterproof sheet. Leave space between sheet and cover to allow air circulation.

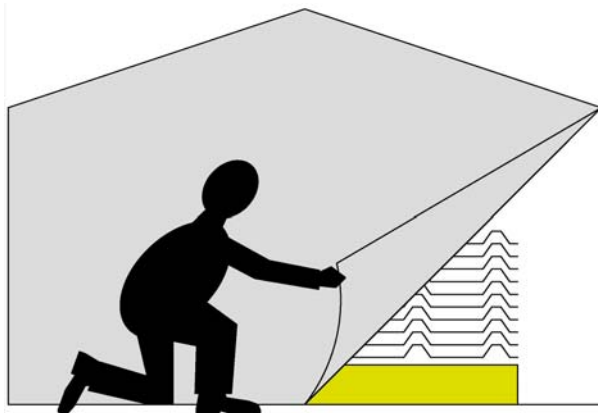


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- 3) Store stacks off ground and lay to a slope to allow any rain penetration to drain away.

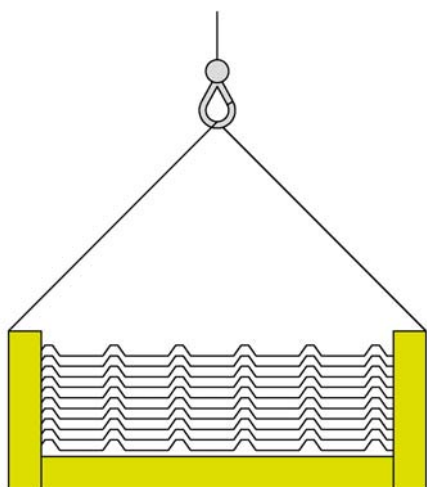


- 4) Inspect storage site regularly to ensure moisture has not penetrated the stack.



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- 5) Where possible lift sheets manually. If sheets have to be mechanically lifted into position, protect edges and prevent pressure across sheet width. Use flat slings and not chains.



- 6) Never drag sheets from pile or across surfaces. Always lift.

