

INSTRUCTIONS FOR USE ¹ ETERNIT FLAT SHEETS

1. GENERAL

These instructions are specifically intended for ETERNIT flat sheets. A number of basic principles are given that must be adhered to. For variations or additional advice one can always contact EURO PANELS OVERSEAS NV.

2. ETERNIT FLAT SHEETS

The following flat sheets are covered by these instructions for use.

Construction sheets	Facade panels
ETER-BOARD HD	ETER-COLOR
ETER-BOARD MD	TEXTURA
PAINTBOARD	NATURA
ETER-BACKER HD	PICTURA
HYDROPANEL	OPERAL
BLUCLAD	SIDINGS CEDRAL
MENUISERITE DC	
MENUISERITE C	
ETERSPAN	
DURIPANEL S3(B1)	

For product data and the details of the processing of the various panels reference is made to the product information sheets available from EURO PANELS OVERSEAS NV.

3. TRANSPORT AND STORAGE

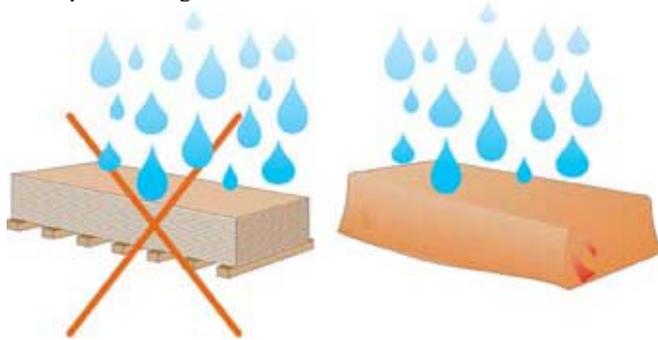
The sheets are packaged on pallets. They are to be transported under a tarpaulin.

Wide straps must be used when the sheets are moved by crane. Steel cables may not be used because they can damage the sheets.

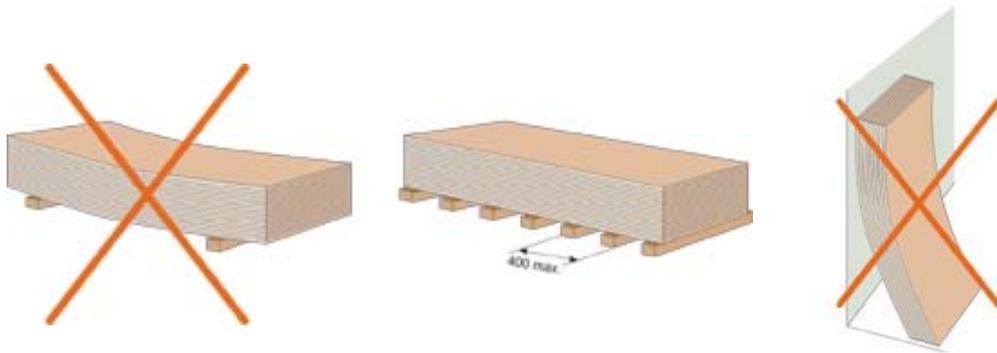


¹ This product information sheet replaces any previous editions. EURO PANELS OVERSEAS NV reserves the right to amend this information sheet without prior notice. Readers should always satisfy themselves that they are referring to the most recent version of this document.

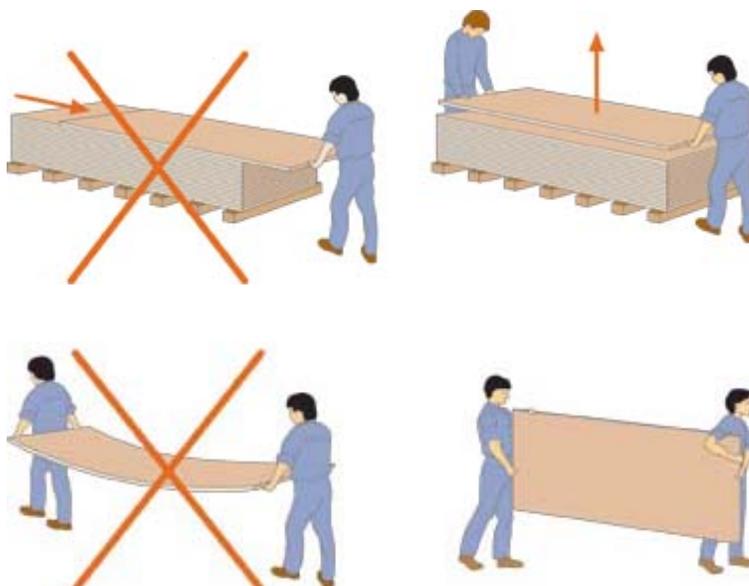
The sheets must be stacked in a dry ventilated space. If the sheets are stored outside, they must always be protected against rain by a tarpaulin or plastic sheet. If the sheets do become wet in the packing, all packaging must be removed and placed in a way that they can dry out thoroughly. It is recommended to allow the sheets to acclimatise in the space where they are to be used. Ensure that foil is always placed between stacked sheets to avoid paint damage.



The sheets must be horizontally stacked on a flat surface. The sheets must always be sufficient supported so that they do not sag.



A sheet must always be lifted from a stack by two persons and then be carried vertically.



For decorative applications one is advised to wear woollen gloves to avoid sweat and grease marks.

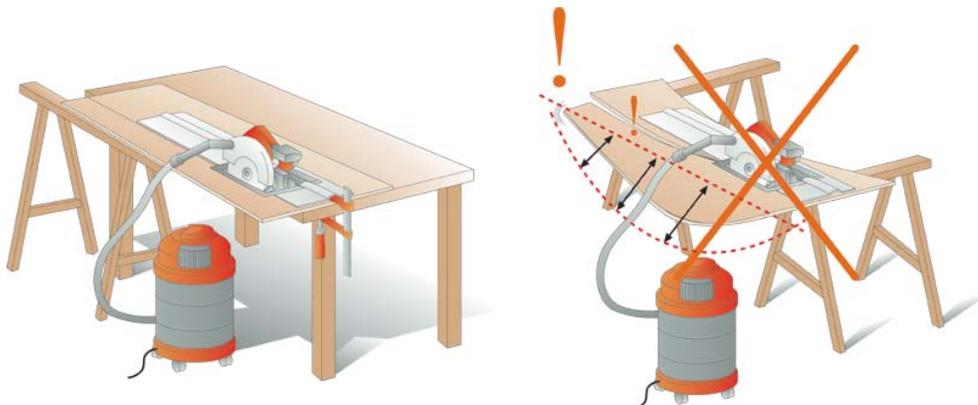
4. SAWING AND CUTTING

The table below gives a summary of the possible ways of sawing and cutting the different ETERNIT flat sheets.

	ETER-COLOR	TEXTURA, PICTURA	NATURA	OPERAL	SIDINGS CEDRAL	ETER-BOARD HD, ETER-BACKER HD	ETER-BOARD MD, PAINTBOARD	HYDROPANEL, BLUCLAD	ETERSPAN	MENUISERITE	DURIPANEL S3 (B1)
universal circular saw blade Leitz	X	X	X(1)	X	X(3)	X	X	X	X	X	X
hand circular saw, with blade with normal teeth											X
jigsaw with carbide-tipped tooth cutting blade		X	X(1)	X	X(3)		X	X	X	X	X
jigsaw with diamond-tipped tooth cutting blade	X										X
jigsaw with normal blade											X
hand saw with carbide-tipped tooth				X	X(3)						X
draw-hook with carbide-tipped tooth		X(2)	X(2)				X(2)	X(2)	X(2)	X	
handshears		X(2)	X(2)								
guillotine		X(2)	X(2)								
sidingshear					X(3)						

- (1) Apply LUKO on the edges
- (2) only for limited thickness
- (3) cutted edges of CEDRAL wood colours have to be treated with the hydrofobation product ETERSILAN

When working on the sheet it must be sufficiently supported so that it does not sag. The sawing bench must be very stable and may not vibrate. The sheet may not be under tension when sawing. The sheet must be free of vibration and tension during sawing for a good saw cut.



Cutting in the wrong way can cause delamination problems of the edge.

During the mechanical machining of panels, adequate machinery with dust extraction and/or ventilation should be foreseen.

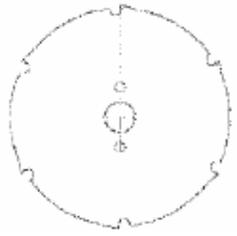
If dust extraction is not efficient, dust masks should be used. Only dust masks of type P2 or better are suited.

EXAMPLE:

Dust mask 3M FFP2 8822 with valve.

4.1. UNIVERSAL CIRCULAR SAW BLADE

The universal circular saw blade of LEITZ (type Pro), can be used for all fiber cement boards (HD and MD). It is best to work with circular saws or cross-cut saws with high rotation speeds. Depending on the diameter the sawblade has 4, 6 or 8 diamond teeth.

Diameter	Number of teeth	
160 mm	4	
190 mm	4	
225 mm	6	
300 mm	8	

EXAMPLE:

FESTOOL TS55E-BQ circular saw with SAW GUIDANCE FS 1400 and extractor (2000-4800 RPM)
Sawblade LEITZ Pro D160xSB3.2xd20xZ4

4.2. JIGSAW WITH HARD METAL TEETH

EXAMPLE:

Jigsaw FESTOOL PS 300 - EQ with splinter protection and extractor
Saw blade BOSCH T141 HM

4.3. DRAW-HOOK WITH HARD METAL TEETH

Only for Hydropanel. Cut both sides with draw-hook with carbide-tipped tooth and snap on a supported edge.

4.4. FINISHING SAWED EDGES

If necessary the sawed edges can be smoothed with fine emery cloth or a sanding block.

5. DRILLING

All products can be drilled with a special drill for fibre cement in hard metal, but with a drill without hammer action. For not-autoclaved sheets, normal drills for stony materials are not suitable because they can damage the panel around the drillhole.

Available diameters: 5,0 – 6,0 – 7,0 – 8,3 – 9,5 – 11,0 mm

The sheet is best supported around the hole to be drilled (e.g. by a wooden table).

DURIPANEL S3(B1) can also be drilled with drills for stony materials.

IMPORTANT:

Sawing and drilling must take place in a dry environment. Sawings and drillings must be immediately removed from the sheet with a dry micro-fiber towel. Sawings and drillings not removed can cause permanent stains.

6. FIXING

The correct fixing materials must be used depending on the flat sheet and its application (see application instructions for more information).

FIXING TO WOODEN SUPPORTING STRUCTURE	FIXING TO METAL SUPPORTING STRUCTURE
Screw	Screw
Nail	Rivet
Rivet	Adhesive
Adhesive	Tergo-system

7. KIT

Only use neutral kits. Non-neutral silicones or thiokols can result in spots.

8. HEALTH & SAFETY ASPECTS

As with many building materials, the inhalation of fine (respirable size) quartz containing dust, particularly when in high concentrations or over prolonged periods of time can lead to serious lung diseases. Fine quartz containing dust may be released by machining this product. For more details and the necessary precautions, please check the Safety Data Sheet according to 91/155/EEC.

	EURO PANELS OVERSEAS N.V. Bormstraat 22, B-2830 Willebroek - BELGIUM Tel 0032 15 71 82 80 - Fax 0032 15 71 82 89 E-mail: info@europanels.be Website: www.europanels.be VAT BE 0466.056.888 - Bank: KBC 482-9098051-96
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