

Handling and working of Eternit flat sheets¹

1. GENERAL

These instructions are specifically intended for ETERNIT flat sheets. By using the appropriate machinery and tools, the working of fibre cement architectural panels on site does not give problems. For further advice, please contact E.P.O. .

2. ETERNIT FLAT SHEETS

The following flat sheets are covered by these handling and working instructions:

Architectural panels: Glasal – Eterflex – Granitex – Pelicolor – Natura – Carat – Sidings

Building Boards: Eflex - Duripanel

For product data of the various panels, please refer to the product information leaflets available from E.P.O.

3. HANDLING

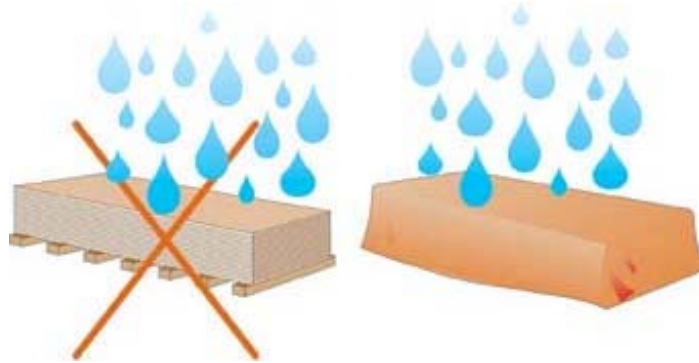
The sheets are stacked on pallets and protected by seaworthy packaging. They are to be transported under a tarpaulin.

When crates are moved by crane, wide, flat straps should be used. Steel cables should not be used.

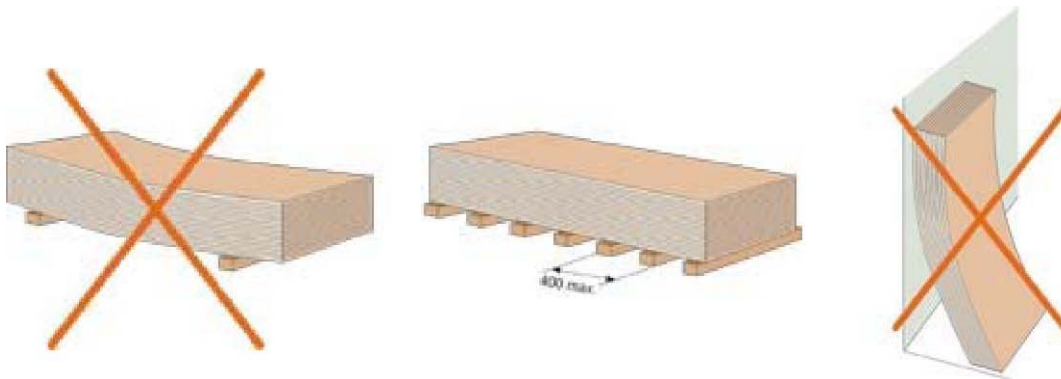


¹ This product information leaflet replaces any previous editions. E.P.O. reserves the right to amend this information leaflet without prior notice. Readers should always satisfy themselves that they are referring to the most recent version of this document.

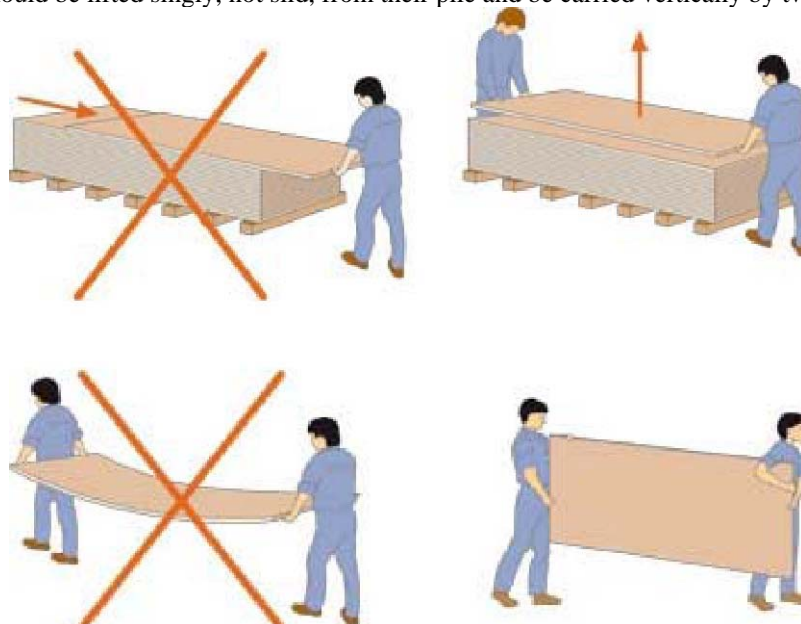
The sheets must be stored in a dry ventilated space. If the sheets are stored outside, they must always be protected against rain by a tarpaulin or plastic sheet. If the sheets do become wet in the packing, all packaging must be removed and the sheets must be wiped dry and placed in a way that they can totally dry.



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



Panels should be lifted singly, not slid, from their pile and be carried vertically by two persons.



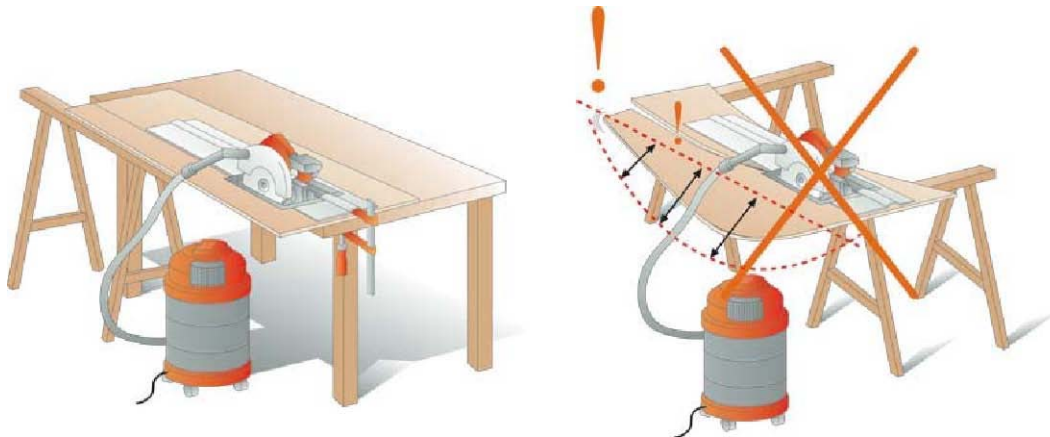
3. CUTTING

All sheets can be cut in the same way as natural stone, except DURIPANEL, which should be treated as wood. The table below gives a summary of the possible ways of cutting the different ETERNIT flat sheets.

	G L A S S A L	E T E R N I T F L E X	G R A N I T E X	C A R A T , N A T U R A , P E L L I C O L O R	S I D I N G S	E F F L E X	D U R I P A N E L
hand circular saw, slow rotation with blade with tungsten carbide-tipped teeth (2)	X	X		X	X	X	X
hand circular saw, fast rotation with diamond cutting blade without teeth (3)			X		X	X	X
hand circular saw, fast rotation with blade with teeth							X
jigsaw with tungsten carbide-tipped cutting blade (4)				X	X		X
hand saw							X
scoring knife with tungsten carbide-tipped tooth (5)	X(1)			X(1)			
shears	X(1)						
guillotine	X(1)						

- (1) only for thicknesses up to 5mm
- (2) Example:
FESTOOL AXT 50 LA-Plus-561860 circular saw with AUP 3000-482544 saw guide (length 3000mm) and extractor (210 rpm).
Saw blade with hard metal teeth FESTOOL 170x2.0x30 TF 56
- (3) Example:
FESTOOL ATF 55 EB CIRCULAR SAW with SAW GUIDANCE FS 1400 and extractor (2000-4800 RPM).
Crosscut saw DEWALT 708
Diamond saw blade CARAT CDZD
- (4) Example:
Jigsaw FESTOOL PS 300 - EQ with splinter protection and extractor
Saw blade BOSCH T141 HM
- (5) The sheet is scored with a scoring knife with hard metal teeth along a straight line using a ruler. The sheet is then snapped downwards.

Sheets must be sufficiently supported during cutting. The working table must be very stable to avoid vibrations.



If necessary the cut edges can be finished with fine emery cloth or a sanding block. In case of cutting with a scoring knife, edges should be smoothed with a plane with a tungsten carbide tipped knife. For further information please contact E.P.O.

4. DRILLING

All products should be drilled without percussion with a masonry drill bit. DURIPANEL can also be drilled with drill bits for wooden materials. The sheet should be supported around the hole to be drilled (e.g. by a wooden board).

!!: Cutting and drilling must take place in a dry environment. All dust must be removed immediately from the sheet with a dry towel to avoid permanent stains.

5. HEALTH & SAFETY ASPECTS

Dust can be released while the sheets are being processed which can irritate airways and eyes. It is recommended that a dust mask and safety goggles be worn. Appropriate dust extraction or proper ventilation are to be provided depending on the room in which the work is being carried out or the equipment being used. Long-term exposure to dust can be harmful to health.



6. TOOLS

The following tools can be obtained through E.P.O. :

See 'List of Accessories'



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