

Examples from praxis



IT IS EASY
TO CUT WITH
A HAND SAW
OR CIRCULAR SAW



DRILLING IS
EQUALLY EASY



YET THE BOARD
IS SUFFICIENTLY SOFT
AND STRONG
FOR SCREWING



PLASTER OR ALUMINIUM
COAT, THE PACKWALL BOARD
IS READY FOR
ANY TREATMENT

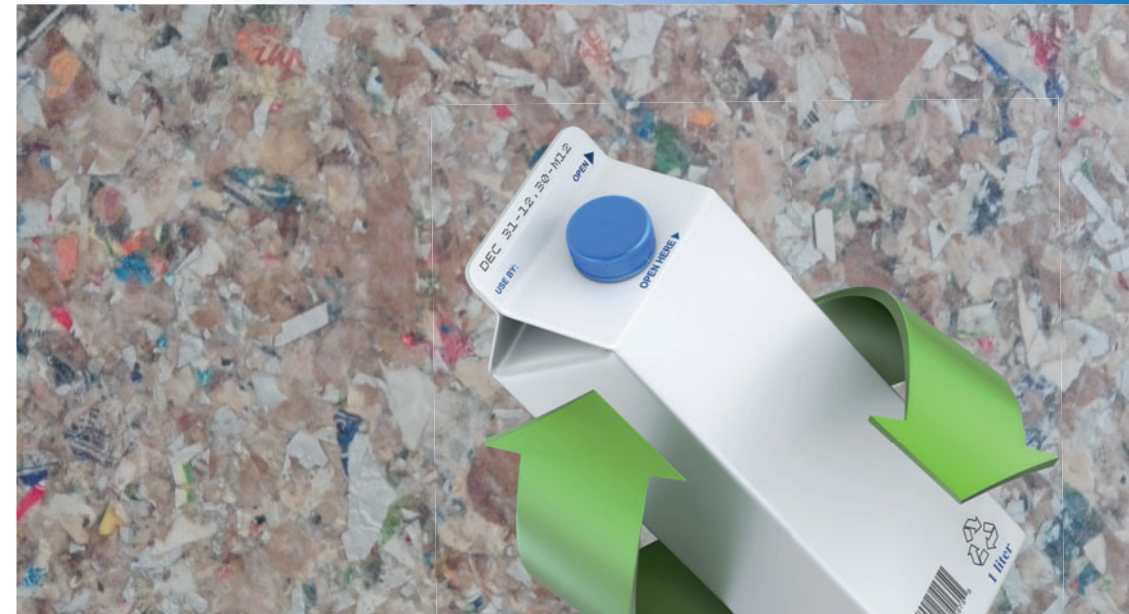


YOU WILL ENJOY USING
THE GUN NAILS
WITH THE BOARD



First-class board from the beverage cartons

Structural and furniture boards
made of recycled
raw material



FLEXIBAU

Flexibau, s.r.o., Na Poříčí 1079/3a
110 00 Prague 1 - Nové Město
Tel.: +420 225 391 300, Mob.: +420 724 929 498
E-mail: info@flexibau.cz, www.packwall.cz

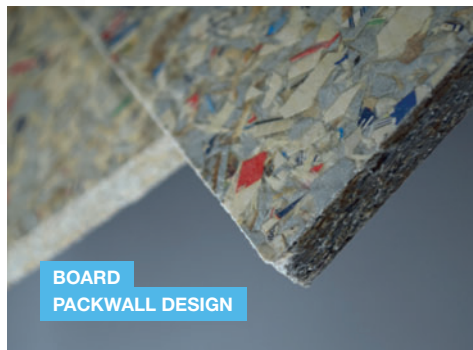
packwall

**BOARD
PACKWALL BASIC**



high temperature into the boards and cut into appropriate formats. The boards are basically a composite composed of cellulose, polyethylene and aluminium (all components of

engineering for building perimeter walls, ceilings, partitions, floors, vaults, false ceilings, construction enclosures or formworks. For the interior, the boards



**BOARD
PACKWALL DESIGN**

food cartons) enclosed between two paper surfaces. The basic product is the **PackWall Basic** board which can be customized and used in various ways. For instance in

can be veneered, laminated, painted, etc. Original look offers modification **PackWall Design** (see photo) with a transparent cover layer and a disclosed structure of the original raw material. PackWall boards in sustainable civil engineering can serve as full alternatives of wood-fibre and gypsum board elements of the dry construction method. Or in the furniture industry as a replacement of classic OSB, MDF or HDF boards. ■

The beginning of the whole process lies

in the collection of beverage cartons with the lowest content of things that have been mistakenly put in orange containers for sorted waste - glass, wood, metal, etc. Subsequently, beverage cartons are crushed, dried, moulded under



**CRUSHED BEVERAGE
CARTONS**



1. USED BEVERAGE PACKAGES WHICH WOULD BE OTHERWISE BURNT



2. PACKAGES WE CRUSHED AND MOULDED UNDER HIGH TEMPERATURES TO THE BOARDS OF VARIOUS DIMENSIONS



3. THE RESULT IS EITHER A BOARD ITSELF OR ITS REFINED SURFACE (WITH A PAINT COAT, TILES, PLASTER...)



4. WITH PACKWALL YOU CAN BUILD A HOUSE OR CREATE A FINE INTERIORS

Properties

■ Water absorption	Half absorption than wood based boards.
■ Mechanical resistance	No corners and edges are damaged during handling, paintings, shelves or whole kitchen units can be easily attached to the boards - resistance to screws yanking out is tested to 55 kg per screw at a 10 mm thick board, and 82 kg at a 15 mm thick board.
■ Noise reduction	Thanks to its light build the board ensures considerable noise attenuation.
■ Thermal insulation	Aluminium particles contained within the raw material return part of the radiant heat back into the room, and the high cellulose content gives the board thermal insulating parameters of the wood.
■ Pace of construction	Thanks to the board area of 3 m ² (1,250 mm x 2,500 mm), the perimeter structure of a family house can be built within a few days and the whole house up to 2 months.
■ Hygienic harmlessness	The boards do not release any volatile substances (measured by the National Institute of Health of the Czech Republic), and the effect of high production temperature eliminates possible germs of microorganisms.
■ Ecology	The material is environmentally friendly, created by recycling laminated food packages, and can be reprocessed (re-fabricated).
■ Flexibility	Flexible by heat up to diameter D = 1,400 mm.

Dimensions and production execution

		Dimension [mm]							
		1250 × 2500				625 × 2500			
		Thickness [mm]							
		8	12	15	18	8	12	15	18
PACKWALL BASIC standard board obverse – carton paper with logo reverse – carton paper	Straight edge	■	●	●	●	●	●	●	●
	Grooved edge for insertion of fasteners	■	●	●	●		●	●	●
	Rounded edge for puttying*	■	○	○	○	○			
	Overlapping "Z" edge	■	●	●	●		●	●	●
PACKWALL SURFACE board with smooth surface obverse – carton paper with higher grammage and logo reverse – carton paper	Straight edge	■	●	●	●	●	●	●	●
	Grooved edge for insertion of fasteners	■	●	●	●		●	●	●
	Rounded edge for puttying*	■	○	○	○	○			
	Overlapping "Z" edge	■	●	●	●		●	●	●
PACKWALL DESIGN** board with transparent surface on one side obverse – parchment paper reverse – carton paper	Straight edge	■	●	●	●	●	●	●	●
	Grooved edge for insertion of fasteners	■		○	○		○	○	○
	Overlapping "Z" edge	■		○	○		○	○	○
PACKWALL DESIGN PANEL** board with transparent surface on both sides obverse – parchment paper reverse – parchment paper	Straight edge	■	●	●	●	●	●	●	●
	Grooved edge for insertion of fasteners	■		○	○		○	○	○
	Overlapping "Z" edge	■		○	○		○	○	○

* both edges with a length of 2,500 mm

** can be manufactured in various colours, minimum amount is 50 pcs of boards
Trust purchases always consult with our customer service.

● In Stock ○ On order