

# EMERGENCY SHELTERS

## THE INNOVATIVE SOLUTION FOR EMERGENCY HOUSING

The plant designed by Promeco allows the conversion of plastic waste to profiles that can be assembled to build other products, such as emergency living units.



## DESIGN AND SPECIFICATIONS OF THE SHELTERS

Easy and fast to assemble, reliable and safe to live in, Promeco has engineered a complete turnkey plant designed to manufacture economical standard living units with plastic waste that are ideal in any emergency situation when immediate housing is required.

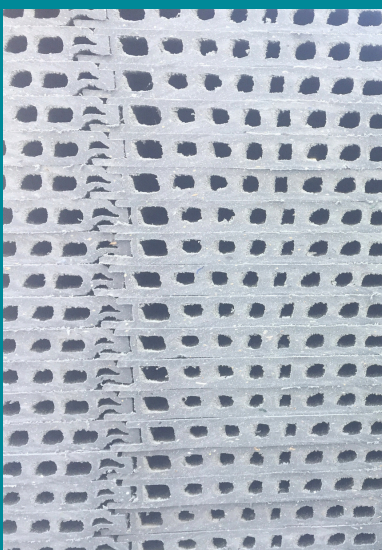
- Sides (walls): 5,30 x 2,65 m
- Height: 2,76 m
- Floor area: 14 sqm
- Total weight: 1.100 kg
- Total volume in pallet: mc 2,70

## ECO FRIENDLY AND CONVENIENT

These living units from recycled material may be used as shelters for people in case of post disaster settings such as floods, tsunami, earthquakes, hurricanes or in UNHCR refugee camps.

Their strengths are:

- Require limited storage space
- Extremely easy to assemble
- Ready for immediate use
- Easy to transport
- Environmental friendly



## MATERIAL FEATURES AND CAPACITY

The shelters are made of profiles boards made of recycled plastic that are durable and well-designed.

Each panel is sized width 300 mm, length 2.650 mm, thickness 30 mm with tongue and groove joints and honey comb structure.

One processing line can process up to 500 kg/hour of plastic waste, that means:

- 2.300 shelters/year
- Equivalent to provide housing for 9.200 people
- Total floor superface for storage: 1.500 sqm
- Total floor superface per year: 28.000 sqm