

# YTONG External Wall Panel

YTONG External Wall Panels are designed especially for use as external walls, in-fill panels, facades or cladding. Due to YTONG's high thermal insulating properties, considerable energy is saved from reduced air-conditioning. In addition, plain or patterned YTONG panel can provide an attractive external appearance for a building. In fact, this is one of its prime applications in Japan due to its attractiveness and trend towards simplicity. All the panels are factory-made under the most stringent quality controls, which cover all aspects of production and performance. The panels are generally designed to span vertically between two floors or horizontally between two columns or shear wall. They are especially suitable for use as external walls, in-fill panels, facades or cladding and lift shaft wall.

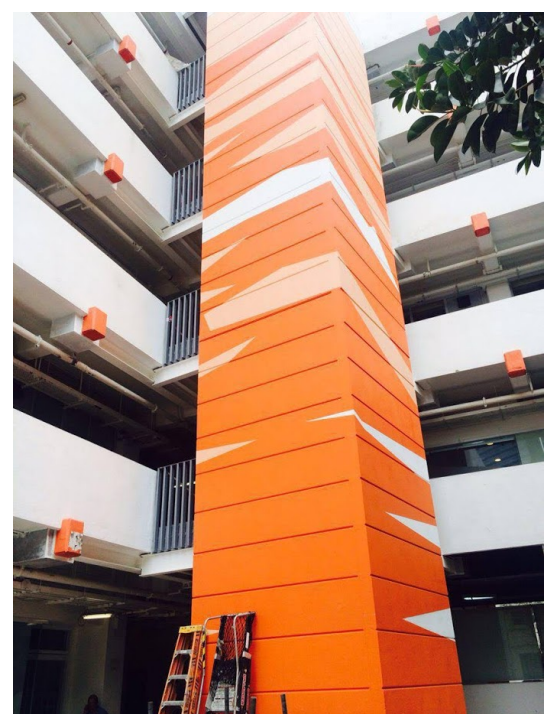
## Reinforcement

The amount of reinforcement required is determined by the span, panel thickness and loading conditions. All types of external wall panels are load tested and fully comply with the stipulations of the building (construction) regulation. All reinforcement meshes comply with the British Standard (BS 4482 & BS 4483).

## External surface finishing

Application of moisture sealer on YTONG Panel wall is recommended before applying any of finishes. It can prevent rain water penetrating through the panel and also provide a high degree of vapor permeability. Superior results can be achieved due to its:

- good bonding strength;
- high ultra-violet light resistance;
- weather resistance; and
- good elasticity.



## Product Data

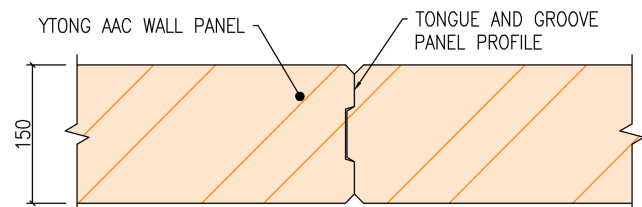
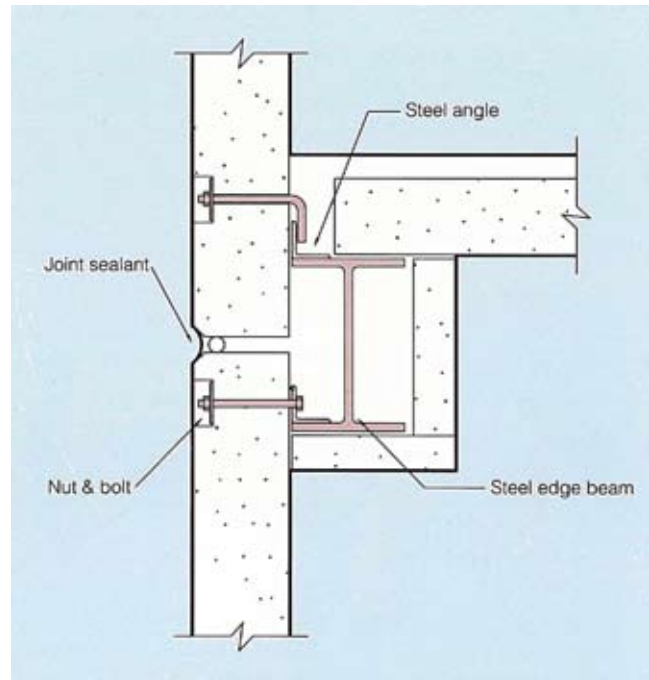
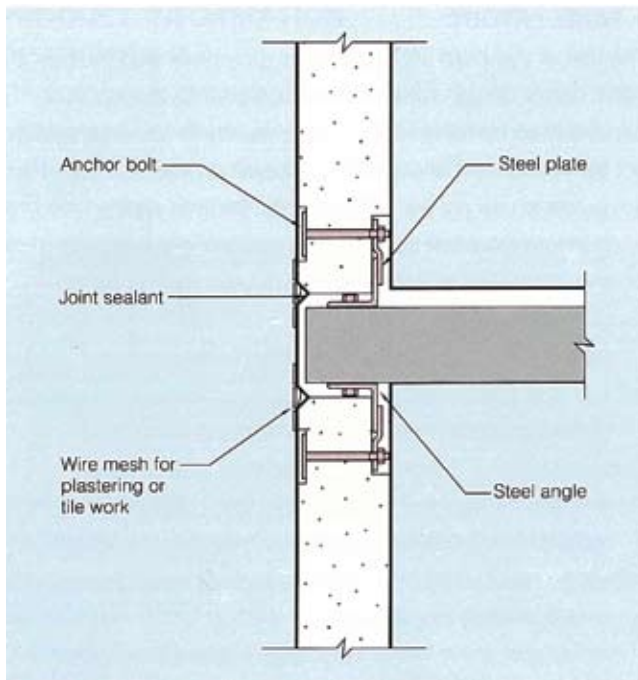
Product	Standard Dimensions		
	Width (mm)	Length (mm)	Thickness (mm)
YTONG AAC External Wall Panel	600 ± 3	Up to 3000mm (refer to the Design Load)	150 ± 1.5

## Technical Data

Density (Dry Weight)	Shrinkage	Compressive Strength	Thermal Conductivity	Fire Resistance Period (min.)
600 kg/m <sup>3</sup> ± 50 (Up to 750 kg/m <sup>3</sup> )	0.05%	5.0MPa ± 0.5 (Up to 7.5MPa)	0.16W/m K	240 / 240 / 240 *

\* Comply with BS EN 1365-1: 2012 with respect to terms loading capacity (stability) / integrity / insulation

## Typical Drawing



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