

CASE STUDY

Emergency Shelter

School in Baao - Philippines

DURRA™

The flexible modular nature of the Durra Building System allowed easy construction of this multi purpose unit, utilised on this occasion as a school building.

The proven earthquake, fire and typhoon resistance of the structure made selection easy. A bonus, is its modular flexibility. The structure can be increased in size, both length and width, and so the school, for example, could be the next Field Hospital or Emergency shelter in Baao if need be.

With the Durra Building System providing quick construction at low cost, the school was up and running in one week. The method of construction is both simple and practical, and was readily adaptable to existing building practices/trades in Baao.

With skilled and unskilled labour involved, it turned out to be a community project that locals enjoyed.

Ortech provided on-site consultancy, training, support, and backup from the start through to completion.

Durra Building Kits can be engineered to suit a variety of structures including:

- ***Low cost Housing***
- ***Remote Location Structures/Housing***
- ***Emergency Housing***
- ***Field Hospitals***
- ***School Buildings***
- ***Shelters***
- ***Multi-purpose Buildings***



Building System

- Durra Building Kit
- *Relocatable Housing/Building*

Project Feature

- School; 120m² floor area
- External; 25mm cement rendered finish
- Colorbond Roof

Benefits

- Pre-cut and delivered to site
- High thermal Insulation
- High acoustic performance
- Fire resistant
- Impact resistant
- Earthquake & Typhoon resistance
- Environmentally friendly
- Simple assembly



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