

NOTICE 1684 OF 2006**DEPARTMENT OF PUBLIC WORKS****AGREEMENT SOUTH AFRICA**

(Approval of innovative construction products and systems)

Notice is hereby given that Agreement South Africa has, with effect from 30 August 2006, issued an **Agrément** certificate, details of which appear in the schedule hereto.

SCHEDULE

Agreement Certificate No 2006/324

Name of product: Protea Umbono Building System

Certificate holder: Protea FSG

Description:

Protea Umbono Building System buildings are single-storey buildings, designed, manufactured, assembled and erected on site under the control of a professional engineer who will:

- ensure the structural integrity of the entire building
- adhere to the details within this certificate

The Protea Umbono Building System consists of a modular load-bearing wall and roof framework of 90 mm x **38** mm cold formed lipped steel channel sections manufactured from 0,55 mm thick galvanized sheet steel.

Wall frames are erected on concrete surface beds with thickened edge beams. Frames comprise galvanised steel lipped channel base rails, studs and noggings, bracing and top rails. Once erected, wall frames are clad externally in 12 mm medium density Nutek Board and internally in **15** mm Firestop Rhinowall gypsum plaster board. External walls are insulated with 40 mm of Isotherm thermal insulation.

Roof rafters, in pairs, are supported by eaves walls and an apex lattice beam which spans between the top of gable walls. Roofs are clad in conventional steel or fibre cement roof sheeting.

Gypsum plasterboard ceilings are installed in all buildings and are attached to timber branderling which in turn is attached to the underside of the roof structure. Where specified, ceilings are insulated with 75 mm of Isotherm thermal insulation.

For all dwellings erected in the Southern Coastal Condensation Problem Area, ceilings are installed. Elsewhere, ceilings and **75** mm of Isotherm thermal insulation may be specified.

All other aspects of the system are conventional and utilise conventional products and materials.

The Agreement certificate contains detailed information on the product and can be accessed at <http://www.agreement.co.za>

Copies are obtainable from: The Manager
Agreement South Africa
P O Box 395
0001 **PRETORIA**