

Housing Africa



THE AFFORDABLE HOUSING SPECIALISTS

READYKIT

Developed in South Africa for local conditions

The aim was to find a quick and inexpensive building method that is able to deliver buildings that have the same cavity wall thermal protection, fire resistance, waterproofing and strength of a clay brick cavity walled building. The aim was to produce a system that is technically simple to learn and appropriate for skills transfer at the widest level. By doing as much as possible within a cost controlled factory environment, site time is greatly reduced.

The READYKIT system holds the added advantage in that the finished building looks and feels like one from brick/concrete.

READYKIT enables the owner to acquire a building that is

- Durable
- Thermally efficient
- Damp Proof
- Fire resistant
- Earthquake resistant and even
- Bullet proof

Over and above all of this

READYKIT offers substantial savings as compared with a conventional building delivered by a building contractor.

READYKIT is quick to assemble and complete

READYKIT has a 60 minute fire rating, strength and waterproof tests concluded and approved by SABS

READYKIT has been approved by the Agreement Board. Readykit is not only An approved system – they have given the system excellent thermal and condensation ratings

READYKIT's rational design has been approved by the NHBRC

READYKIT possesses general bank approval.

THE PRODUCT

The READYKIT panel is simple and easy to understand. A timber panel that has a standard width of 1m, but also 1,5m and 2m if required, is made of dried and cured 76mm x 38mm SAP so as to stand up to 2.4m high.

An acrylic resin cured fiberglass mesh is attached to each face of the frame. When plastered the timber performs merely a structural role, with a lime/cement plaster on each face providing the insulation and finish.

The panels contain within them the window frames, door frames and electrical reticulation comprising the DB board, conduits, plug and switch boxes. There is also a plumbing panel to assist the speedy connection where bathroom and kitchen are back to back.

- **Because of the cavity created by the design the temperature insulation and thermal properties are proven to be far superior than that of a clay brick cavity wall.**

HOUSE PLANS

- The system is suitable to adapt a wide variety of designs.
- Our most popular products are typically 52 sq/m 2 bedroom, 67 sq/m 3 bedroom and 1 bathroom, or 80 sq/m 3 bedroom, 2 bathroom with dining extension.

There is no limitation on size

- The **READYKIT** prefabricated cavity wall system allows for no compromise in quality, as well as providing the customer with maximum flexibility inhouse design. Where soil conditions involve heaving clay, or there is a danger of flood or earthquake, we have designed structural features that cater for adverse conditions.



**Affordable
67m² unit**

The Interior



Lounge / Dining



Kitchen



Main Bathroom



En-suite



**Low cost
55m² unit**

The Interior



Construction process of Port Shepstone and Howick 40m² low cost Show Houses 2011

Start Day 1



Day 2

The completed exterior Day 3

Port Shepstone



The interior

Port Shepstone



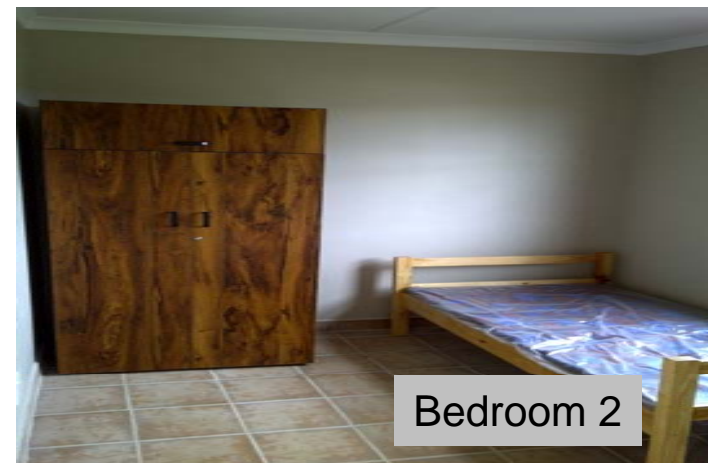
The completed exterior Day 3

Howick



The Interior

Howick



Tugela Houses 2011



Tugela Ferry



Tugela South



Tugela Keates Drift



Tugela Keates Drift

Handing over ceremony Port Shepstone 2011



The Project engineer handing keys to Hibiscus coast Mayor



Hibiscus coast officials and Readykit Representative

Handing over ceremony Howick 2011



Handing over ceremony



Key ceremony at the house



LONG TERM SOCIAL AND ECONOMIC BENEFITS

The **READYKIT** system is easily adaptable for self-help housing projects. We erect the house onto a properly prepared raft foundation and roof it within two or at the most three days.

To finish it, the owner merely needs to apply the lime/cement plaster to the panels, paint, glaze and the house is then ready for the doors to be hung, plumbing fittings installed, and electric loom fitted for a formal reticulation to the plug and switch boxes already in place.

The owner benefits from

- A bigger house for the money
- A house that reflects the owner's needs in size & shape in relation to site
- A house that will not "sweat" regardless of climate and nature of use
- Excellent temperature insulation that promotes good health
- An ideal unit from which to start a business

FREQUENTLY ASKED QUESTIONS

Do these houses feel different ?

There is very little difference between a brick house and our house.

How long will they last ?

One of the many roles of Agreement is to make sure that the houses they certify will last longer than we will. Our oldest unit is now 15 years old and it still looks like it did they day it was built.

How do you maintain them ?

As you would any other house. Unlike brick houses that settle a lot after the construction process, resulting in cracks, **READYKIT** homes do not settle, and even after many years remain crack free. Therefore the extent of maintenance is for the occasional coat of paint as would be the case for any type of house.

Can you renovate them ?

Absolutely. Units can be added on without too much fuss. New panels are simply joined onto the existing ones and they are re-plastered. It is a very simple process.

Are there any design constraints ?

None at all. Designs are limitless. We do influence designs that reduce construction costs by minimizing wastage and labour requirements.

Can you build double story ?

No problem at all.

We have earned our Stripes



For more info or Queries

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