



Atlantis, Cape Town, Western Cape, 05 November 2015

Re: New Sandwich Panels at Motorhome-World

New sandwich panel technology at Motorhome-World.

Motorhome-World has moved on from using honeycomb sandwich panels in its vehicles. The 27mm honeycomb panels have been in use at Motorhome-World since 2006 with great success.

At Motorhome-World we always recognise that the market needs new and innovative products. Our employees are encouraged to look beyond the now, and assist in ensuring that MH-W stays at the forefront of new and innovative design and product development.

One of these areas is the technology implemented in our sandwich panels. The new and latest technology panels that Motorhome-World will utilize going forward are 35mm thick. Made up of an exterior GRP (Glass Reinforced Polyester) skin, the core a high density LBX Styrofoam™, and the inside panel is a 3mm plywood with a pre-applied finishing.

The advantages of the new panel are numerous, but some of the highlights are :

- Weight saving of a least 2kg per square meter.
- Better insulation against noise and temperature.
- More stability in the panel itself, eg. The panel will be more stable in big temperature fluctuation.
- Better and quicker cutting of the entire sandwich panels on our state of the art CNC router.

Due to the increasing numbers of motorhome orders that Motorhome-World is able to secure, there is also a price advantage compared to the honeycomb panels, and economies of scale are playing a bigger role.

With the introduction of these new panel's, numerous other small adjustments had to be made in the design of our motorhomes, to be able to "take" the new panels. All these changes also had a positive impact on quality, durability and better weight distribution.

All of this means that Motorhome-World is able to deliver a superior motorhome to the South African market.

This below is an extract from the LBX Styrofoam™ specifications that make up the core of the new sandwich panels.

According to the Dow Chemical Company specification sheet:

Composition

STYROFOAM™ Brand Insulation is manufactured in a continuous extrusion process and under tremendous pressure. This creates a rigid closed-cell polystyrene structure impervious to water penetration. Because of this closed-cell structure, STYROFOAM™ Brand Insulation offers a unique combination of characteristics, including low thermal conductivity, high moisture resistance and high mechanical strength.

Water/Moisture

STYROFOAM™ Brand Insulation is highly resistant to water absorption. Products are very resistant to the passage of water vapour and are unaffected by repeated freeze/thaw cycles.

Biological

STYROFOAM™ Brand Insulation has low susceptibility to rot. Therefore, mould or fungal growth is minimized.

Durability

Properly installed, STYROFOAM™ Brand products have a service life comparable with the remainder of the building or structure.

Environmental

STYROFOAM™ Brand products are not biodegradable in the environment, and do not present an environmental hazard in the water/soil compartment.

Disposal

STYROFOAM™ Brand Insulation products can be:

- Recycled mechanically
- Recycled chemically
- Used as land-fill (no harmful effects)
- Incinerated under control to recover the energy content

Product Re-usability

STYROFOAM™ Brand products can be reused, even after having been installed for decades.

About Motorhome-World

Motorhome-World is one of South Africa's leading motorhome manufacturers and supplier of quality market related products. Motorhome-World has offices in Kempton Park - Gauteng, Atlantis - Cape Town and Windhoek - Namibia. The factory and head offices are located in Atlantis, Cape Town. More information can be found on its website, www.motorhome-world.com

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