

A close-up, black and white photograph of several horizontal wooden slats, likely from a pallet. The slats are arranged in a row, with some showing signs of wear, such as cracks and uneven surfaces. The background is dark and out of focus.

Reduce. **Reuse.** RenewPallet.

Introducing a truly innovative  
**Environmentally  
Friendly Green pallets** and  
packaging materials  
for superior logistics efficiency.

**Globally** patented **RenewPallet** is the first environmentally friendly pallet in the world to be made of natural renewable resources such as rice and wheat stalks, and bamboo waste.

**RenewPallet** is made of up to 95% agricultural and forestry waste and, with our state-of-the-art manufacturing, not only can the strong, durable and moisture resistant industrial bi-product be converted to green pallets but also into other green packaging materials. It is completely free from any formaldehyde additive and **Singapore Green Label** certified.

### ISPM 15 COMPLIANT

No fumigation or heat treatment required. No retreatment necessary for multi-country shipments.  
Total logistics cost savings of up to 80%.

### TRULY GREEN

Fully environmentally Friendly, made of up to 95% agricultural wastes.  
Recyclable & biodegradable.  
Free from any Formaldehyde additive.

### STRONG RESISTANCE

Relatively stronger than traditional wood; high bending strength and high moisture resistance.

### EASY TO USE

Easy assembly and disassembly, components can easily be replaced.  
Knock down components for reduced storage & transport costs.



# There can be no room for failure.

*Prince Charles  
COP 21 Paris 2015*

## Climate change

is one of the greatest threats humankind has known. It is estimated that more than 1.5 billion tons of carbon dioxide are released to the atmosphere due to deforestation, every year, making it the largest source of greenhouse gas emissions after cars, trucks, trains, planes and ships combined. **By reducing forest loss, we can reduce carbon emissions and fight climate change. It's that simple.**

## One billion trees

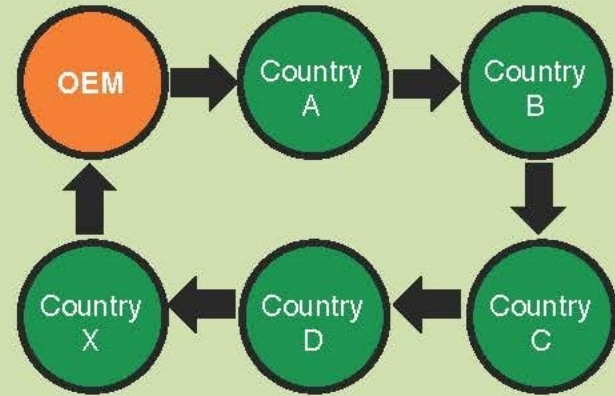
are being cut down to make pallets each year. Pallets commonly create waste among many businesses and they represent a major use of lumber with acres of forest being cleared and billions of pallets being produced and turned into waste after only a few uses. **Billions of wooden pallets are produced and thrown away each year.**

# Reduce costs

# Increase operational efficiency

## Reduce cost & time.

With our ISPM 15 Compliant RenewPallet, fumigation or heat treatment is no longer needed. RenewPallets can be used throughout your supply chain (from country to country); reducing time needed for treatment or transference of pallets.



## Green passage throughout all markets.

The same pallet can be used for throughout the supply chain without treatment for export from country to country.

# RenewPallet **Boxes** and **Pallets**



# Collar **Box** Pallet



**Made of 95%  
agricultural fibres**

Formaldehyde FREE

ISPM 15 compliant

Can be manufactured to customer's  
requirements.

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## Wooden **Collar** Box

- Not environmental friendly
- Traditionally made of plywood
- Contains Formaldehyde
- Moisture, fungi & termite problems
- Treatment required for export



## RenewPallet **Collar** Box

- Environmental friendly & cost effective
- Made of agricultural stalks
- Formaldehyde FREE**
- Moisture, fungi & termite resistant**
- No Treatment required** for export





Before - Other wood Collar Box pallet



RenewMaterial Collar Box pallet

# Collar **Box** Pallet comparison

Ensure surface is level before double stacking.





RenewPallet Collar Box pallet



RenewPallet Collar Box pallet

# Collar **Box** Pallets

Ensure surface is level before double stacking.

# Quick **Assembly** Box



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# Quick **Assembly** Box



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## Wooden **Box** Pallets

- Not environmental friendly
- Traditionally made of plywood
- Contains Formaldehyde
- Not water resistant
- Uses more material yet Relatively weak

## Quick **Assembly** Box

- Environmental friendly & cost effective
- Made of agricultural stalks
- Formaldehyde FREE**
- Moisture, fungi & termite resistant**
- Uses less material but relatively stronger





Quick **Assembly** Box Applications

# Pallet Dimensions

Static load 2,000kg Dynamic load 1,000kg

**Standard Pallet**  
1200 x 1000 x 120mm



**North American Pallet** 40in x 48in



**Asia Pallet**  
1100 x 1000 x 120mm



**Euro Pallet**  
1200 x 800 x 120mm





New **EPAL** Pallet Block Series

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# RenewPallet **Block** Series

**1<sup>st</sup> in China licensed to  
produce EPAL Block**

2 Sizes only:

145 x 145 x 78mm (0.95kg)

145 x 100 x 78mm (0.65kg)

Made of 95% agricultural fibres

Formaldehyde FREE

ISPM 15 compliant

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Before – plastic pallets



Now – RenewPallet

# Typical **Application**

RenewPallet



# Typical **Application**

Collar Box Pallet



Typical **Application**  
Warehouse



Fully packed goods on Renew Pallet ready for export.

Typical **Application**  
Warehouse



Typical  
**Application**  
Volkswagen China

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Typical  
**Application**  
Petrochemical Industry

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Our **Manufacturing** Facilities



# Our Materials

We collect and use agricultural stalks and wastes, which are recyclable and biodegradable. There are 700 million tons of agricultural stalks that need to be disposed off in China every year. PM<sub>2.5</sub> has reached 60 to 127 mg/m<sup>3</sup> during the harvesting period in most areas. The world standard for PM<sub>2.5</sub> is 20 mg/m<sup>3</sup>.

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# Our materials

With strong support from governments, particularly in China – waste materials are recycled to reduce pollution (the central government of China has listed this as one of the 7 major projects to be promoted in the next 10 years). Also, RMB 90 to 100 billion are being spent on treatment of agricultural wastes. Penalties are now harsher than before.

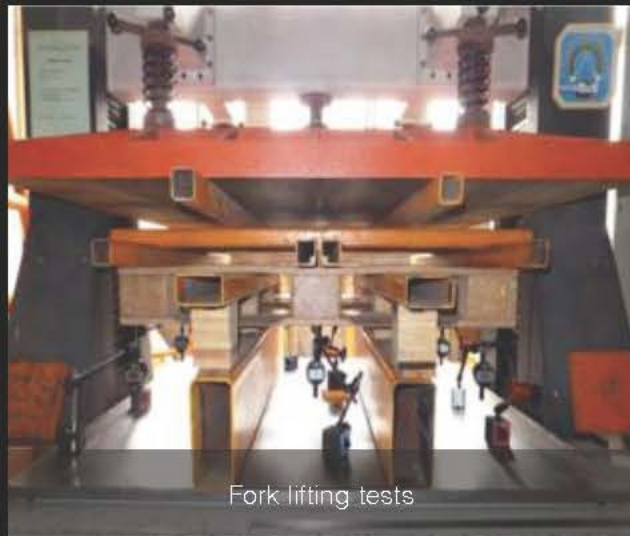
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## Moisture Resistant

RenewPallet has a density of  
1,000 to 1,300 kg/m<sup>3</sup> versus  
wood at 500 kg/m<sup>3</sup>

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Fork lifting tests



Top deck edge impact tests



Drop tests



Bending tests

## ISO 8611-1 Tests

Rigorous, exacting, stringent tests



**Warehouse** Facilities

A photograph of an agricultural stalks storage yard. In the foreground, a green tractor with a tall vertical mast is positioned on a concrete pad. A worker in a blue shirt and white hat stands by the tractor. In the middle ground, two workers in red and black clothing are on top of a large, rectangular stack of golden-brown stalks, handling a yellow bag. The background shows more large stacks of stalks under a clear blue sky. The text 'Agricultural Stalks Storage Yard' is overlaid on the right side of the image.


Agricultural **Stalks**  
Storage **Yard**

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Agricultural **Stalks**  
Storage **Yard**

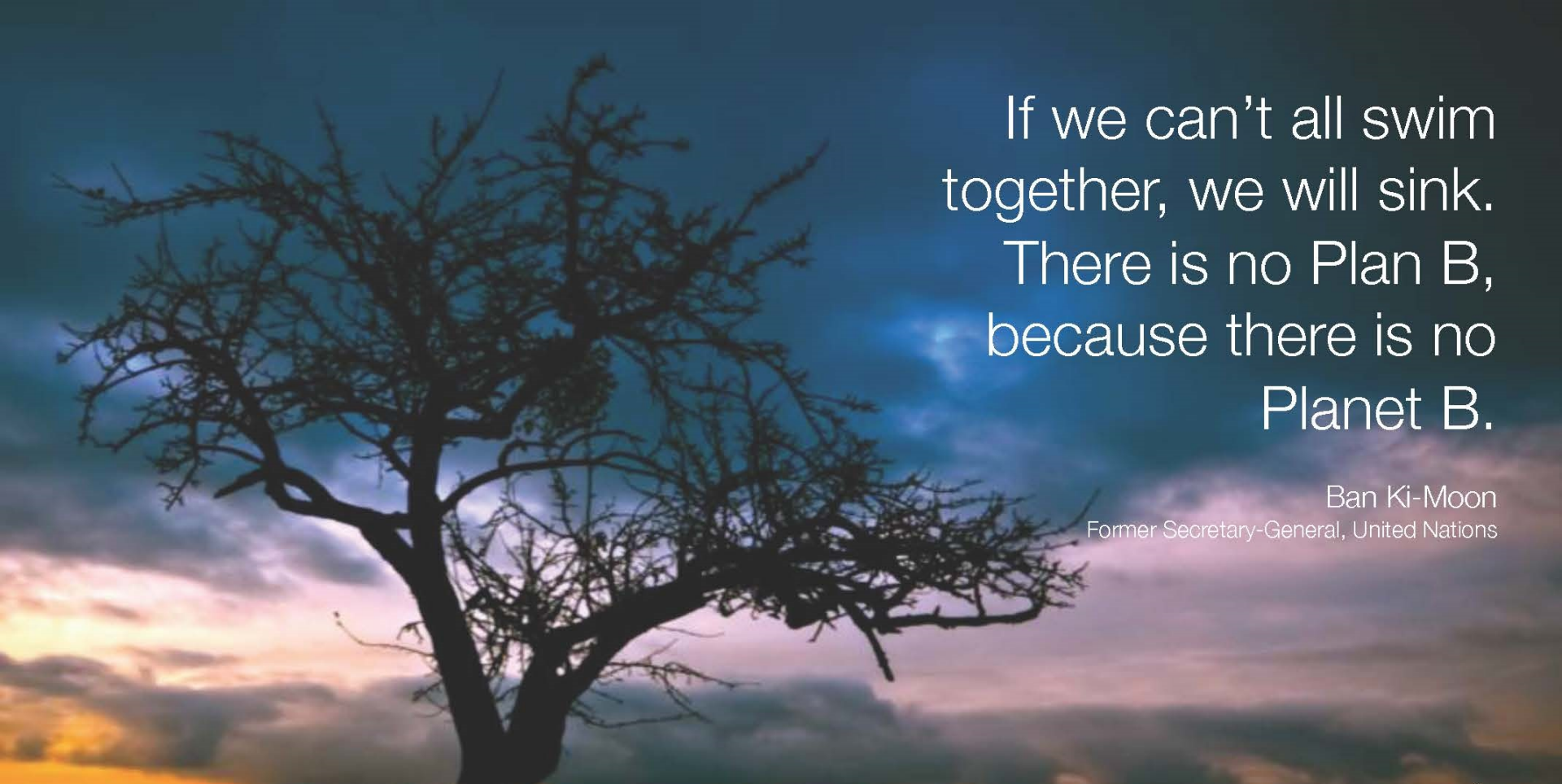
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# Testimonials, **Certifications** and **Patents**

We have achieved all the necessary certifications as well as patents for virtually every market in the developed and developing world. '

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A silhouette of a tree with many bare branches is set against a dramatic sky at sunset or sunrise. The sky transitions from a deep blue at the top to a bright orange and yellow near the horizon, with scattered white clouds. The tree's branches are dark and intricate, creating a stark contrast with the colorful background.

If we can't all swim  
together, we will sink.  
There is no Plan B,  
because there is no  
Planet B.

Ban Ki-Moon  
Former Secretary-General, United Nations