

**CORRUGATED
FLEXIBLE
INNOVATIVE
STRONG
CONVENIENT
DURABLE
VERSATILE
SUPERIOR
LIGHT WEIGHT
COMPLIANT
CUSTOMISABLE
EFFICIENT
RECYCLABLE
SECURE**



**MORE THAN
JUST A PALLETE**



Nov 2012

Overview



- UNIPAL” is one of the most innovative technologies in the pallet and packaging industry, and certainly without comparison within the *corrugated* pallet industry.
 - UNIPAL technology alone provides for a superior product that is strategically positioned to meet evolving Industry and global market demands.
 - This successful technology can be used to create an entire product line of corrugated “Transportation Platforms,” Pallets, Crates, and other Unique Packaging or Value Added Solutions for Shipping and Storage.
 - UNIPAL product is proven globally; Unipal currently operates in more than 10 countries across the world and has already manufactured and sold in excess of 25 million units worldwide.
 - An “Alok Unipal” corrugated pallet is a patented, innovative system with flexible construction, high strength characteristics made of water resistant kraft paper which does not require any fumigation for exports
 - By choosing “Alok Unipal” you will be choosing an environmentally friendly way of doing business.
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UNIPAL is a modular system to manufacture corrugated pallets



Construction: the combination of stringers and cross-stringers provides outstanding beam strength in all directions

Flexible: UNIPAL comes with or without a top and/or bottom sheets – depending on individual requirements



UNIPAL History

Tested Technology & Products

UNIPAL products:

- Have been in use for more than a decade in international shipping (air, sea, rail and land).
- Have demonstrated lower shipping costs vs wooden & plastic pallets.
- Typically result in freight savings ranging from 1,300 to 2,000 lbs per full trailer.
- Absorb shock & vibration, minimizing damage to the product.
- Are available in water resistant configurations.



Compliant

In line with international shipping requirements



ISPM 15 Compliant

UNIPAL products meet all packaging requirements (phytosanitary measures) for today's international shipping regulations.

UNIPAL pallets eliminate the necessity for costly heat treatments and complex logistics.

Versatile - sizes from 24"x16" to 75"x60"



UNIPAL pallets out perform all other corrugated pallets on the market today. **UNIPAL's** unique design and flexible construction enables a large variety of sizes for both 2- or 4-way entry solutions.

Superior & Dynamic

Loads up to 1.5 tons (3,000 lbs), static loads up to 7 tons (15,000 lbs)*



UNIPAL combines intelligent construction and solid material into one high performance product



* Please note, that the UNIPAL pallets are customized to the customer's specifications. Thus, the transport capability of a particular UNIPAL pallet may vary.

Lightweight

Approximately 25% of a wooden pallet



Thanks to the innovative spirit of our engineers **UNIPAL** can offer an outstanding low weight.

A typical 48" X 32" **UNIPAL** pallet is 13 lbs (6kg) !

Hygienic & Dry

A totally clean solution

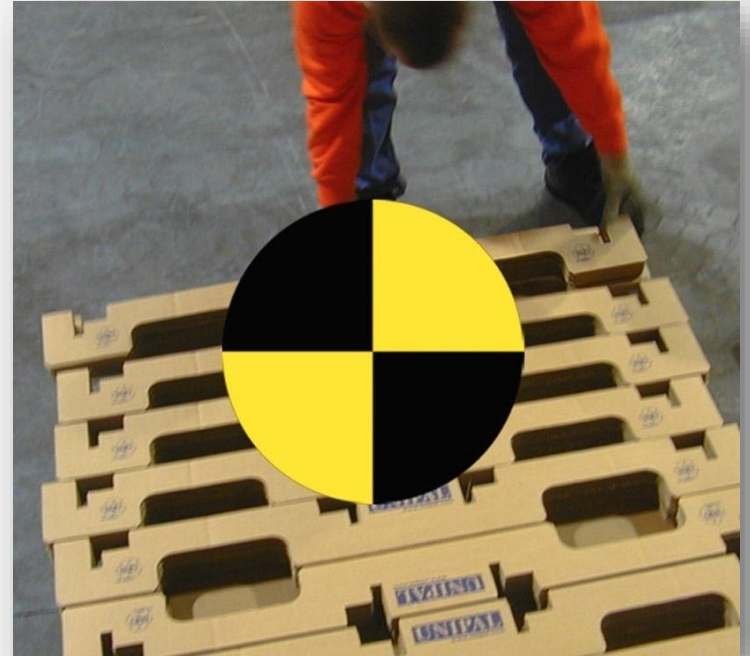
UNIPAL products fulfill all requirements of today's cleanliness needs. Unlike wooden pallets, **UNIPAL Pallets** won't harm a load with moisture, thus eliminating the risk of mold. **UNIPAL Pallets** also eliminate chemical and fire retardant concerns associated with plastic pallets.



Safe

Secure handling

UNIPAL means easy and safe handling, requires minimal mechanical assistance and eliminates injuries caused by loose nails, jagged edges and splinters.



Recyclable

100 % and able to be made from recycled paper



UNIPAL products ensure an environmentally friendly way of doing business.



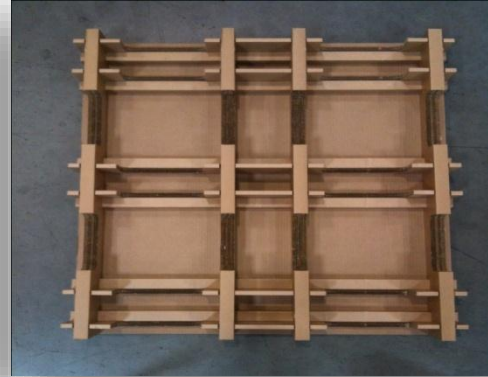
Customizable

Tailor-made to user specified requirements



A printed **UNIPAL pallet** can globally carry product and the company's message providing tremendous branding opportunities.

Customized designs for various applications



Efficient

Save money, freight costs & warehouse space by assembling on location

The option of assembling **UNIPAL** pallets at the point of use provides important transport and storage advantages. Some **UNIPAL** pallet configurations can be easily assembled at the point of use, even without using glue.



Applications



Applications

Corrugated Furniture made from
UNIPAL lumbers



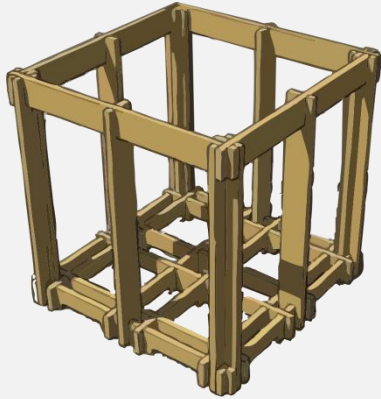
Corrugated Case made from UNIPAL lumbers
used for transporting heavy equipment



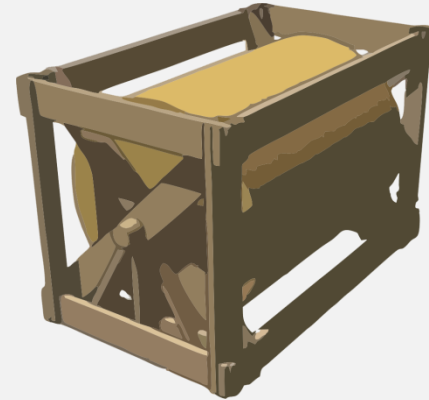
UNIPAL Structures

If there is a need for more than a pallet

UNIPAL lumber can be utilized to create a three dimensional enclosure that provides complete protection for its contents.



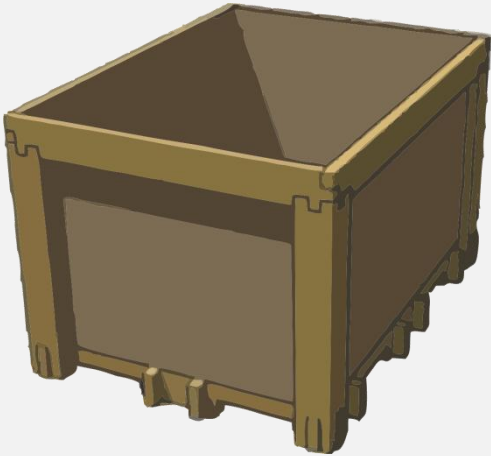
UNIPAL structures form heavy duty packaging enclosures with an integrated pallet



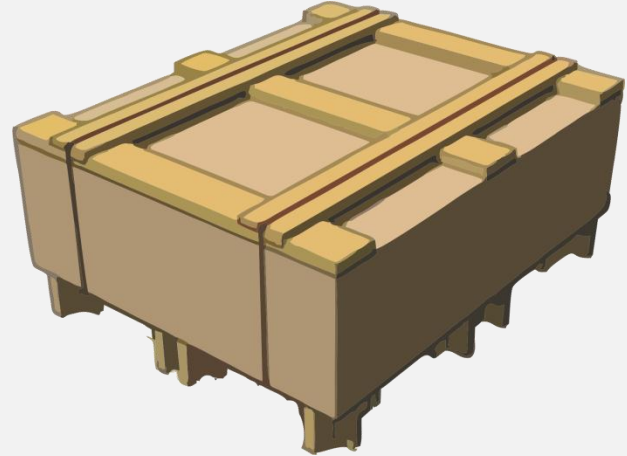
UNIPAL structure for the transport of paper reels

UNIPAL Solutions

Depending on user requirements the UNIPAL technology can be used for a variety of solutions, custom designed for each user



UNIPAL enclosure for the transport of smaller goods



UNIPAL top cover for strapping



UNIPAL Manufacturing Operations



Worldwide Satisfied Clients

- Firestone (USA)
 - Sony (Japan)
 - Daewoo Electronics (Korea)
 - Itochu Chemicals (Japan)
 - Konica (Japan)
 - Aiwa (Korea)
 - General Motors (Mexico)
 - Johnson & Johnson (UK)
 - Hyundai Auto net (Korea)
 - Yamaha Paper (Japan)
 - Olympus (Japan)
 - LG Electronics (Korea)
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Contact us



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