



# EMERGENCY EQUIPMENT

**New Asia Supplier**

**New innovative equipment**

**Portable Structures - Offices - accommodation -  
toilets - showers - conference rooms**

**Mobile Storage Unit's (MSU's)**

**Pallets**

**Steel Stacking pallets**

**Rollable Pallet Mats**

**Soft-wall Hard-wall**



# EMERGENCY EQUIPMENT

**Siam Steel International (Thailand) over 4 years  
equipment development with WFP UNHRD**

50+ years in business  
Exports products world wide

**Major suppliers to :**

**Japan ( portable offices/shopping centers, service stations),**

**British Military (knock down portable units)**

**US Military (Afghanistan portable units),**

**IFRC- Housing for Tsunami in Indonesia**

**UNWFP Sri Lanka ( MSU's, Office & toilet units)**

**Asia Emergency Response Facility (Emergency Steel and Rolling  
Pallets)**

**Toyota - Auto parts**

**Panasonic - Electrical**

**Yamaha - Motorcycle parts**



# Portable Buildings Office / Living Unit

Price / Unit ex factory- **US\$9500.00 (includes Furniture)**

Size: 2.3m (w)x4.8m(L)x2.4m(H)

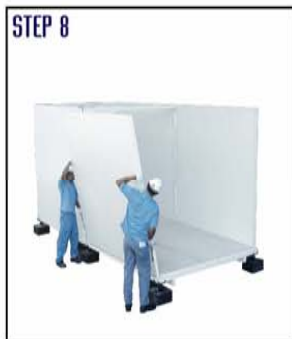
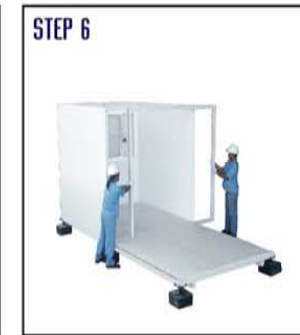
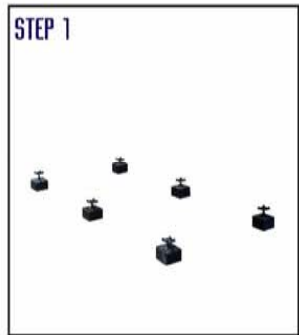
Shipping : 4 units per 20' Container



**Shipping Pallet – 2 units/pallet**



# Portable Buildings Installation sequence



W.F.P.

**OFFICE / LIVING UNIT**



# Portable Buildings Toilet Unit

Price / Unit ex factory- **US\$6500.00 (includes Plumbing)**

Size: 2.3m (w)x2.4m(L)x2.4m(H)

Shipping : 4 units per 20'Container



Toilet Container Pack



Pre-plumbed  
base unit





# Portable Buildings Installation sequence



W.F.P.

## TOILET BLOCK



# Mobile Storage Units MSU's Soft-wall

Field tested in Sri Lanka

Standard Size 10m x 24m & 10m x 32m

Special sizes to order



PATENT PENDING

STACKABLE STEEL PALLET

Price ex factory:

10mx24m - **US\$ 9,500**

10mx32m - **US\$11,300**



PATENT PENDING

ROLLABLE PALLET MAT



# Mobile Storage Units MSU's Hardwall

Price / Unit ex factory

10m x 25 m – **US\$18,500**

Weight / Unit : 6.8 mt

Shipping :

2 units per 20'

Container

**PATENT PENDING**



**WFP Somalia**

10 x 30m – **US\$22,000**

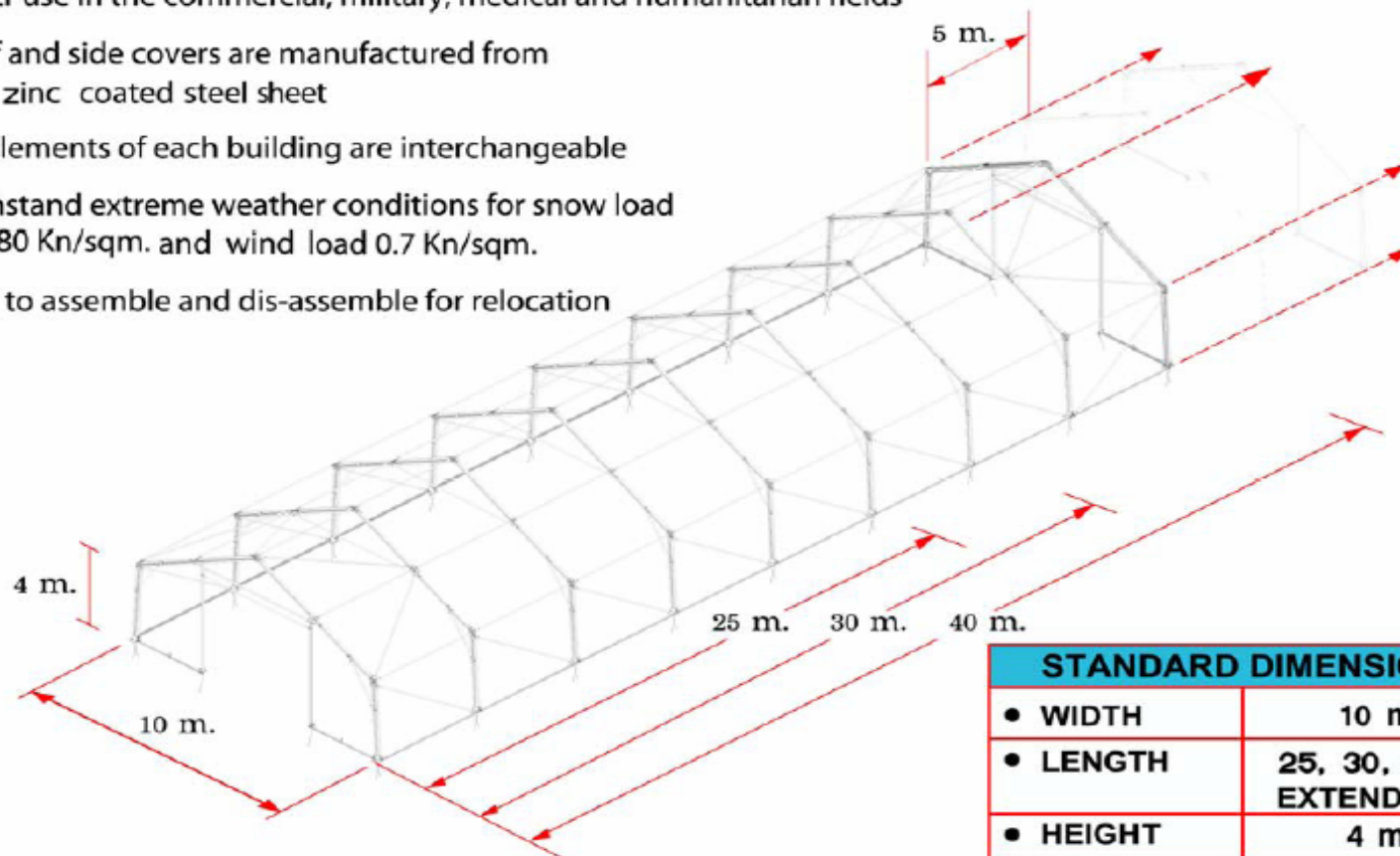
10 x 35m – **US\$25,500**

Shipping – 1.5 units per 20'



# Mobile Storage Units MSU's Hard-wall

- Multi-use in the commercial, military, medical and humanitarian fields
- Roof and side covers are manufactured from Alu- zinc coated steel sheet
- All elements of each building are interchangeable
- Withstand extreme weather conditions for snow load of 0.80 Kn/sqm. and wind load 0.7 Kn/sqm.
- Easy to assemble and dis-assemble for relocation



STANDARD DIMENSION	
• WIDTH	10 m.
• LENGTH	25, 30, 40 m. EXTENDABLE
• HEIGHT	4 m.



# Stackable Steel Pallets

Cost per Pallet **US\$35.00**

ex factory

Shipping :

1000 units

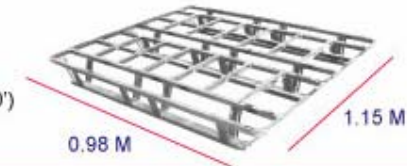
per 20' container

weight 11,500kgs

gross weight 14,000kgs

## 1. Standard Size

- Size : 980 x 1150 x 135 ( W x L x H ) mm.
- Weight : 11,50 Kgs. / PC
- Storage capability : 1,000 PCS. / Container (20')
- Including with runner plate



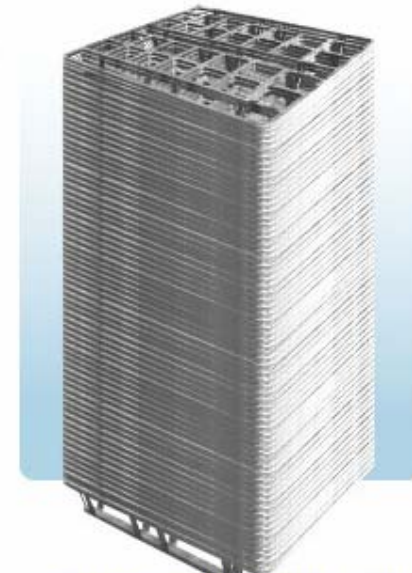
## 2. Specification

- Galvanized steel Material without paint
- Loading ability 3,000 kgf. / M<sup>2</sup>
- Durable and heavy duty performance
- Safety : Smooth surface to protect product damage
- Practicable : 4 way access with forklift and hand pallet lift
- Lightweight : Safe and easy to handle and storage
- Storage Space saving : Storage stackability upto 120 pcs. / 3 M. (Height)
- Anti-corrosive , moisture free , insects free
- Easy to decontaminate
- Easy to make different sizes & shapes
- Recyclability , Environmentally friendly

**Unit weight 11.5kgs**



● Loading pallet on shelve



Storage upto 120 pcs. / 3 M. (Height)



# Stackable Steel Pallets

100 Steel Pallets / 17 Wood or Plastic Pallets

- Load capacity 3000kg plus per m<sup>2</sup>
- Durable heavy duty
- Smooth surface-no product damage
- 4 way access for forklift & hand pallet lifter
- Lightweight- easy to move and store
- Space saving transport and storage



**Galvanized Steel**  
**11.5kg per piece**



1 x 20' container

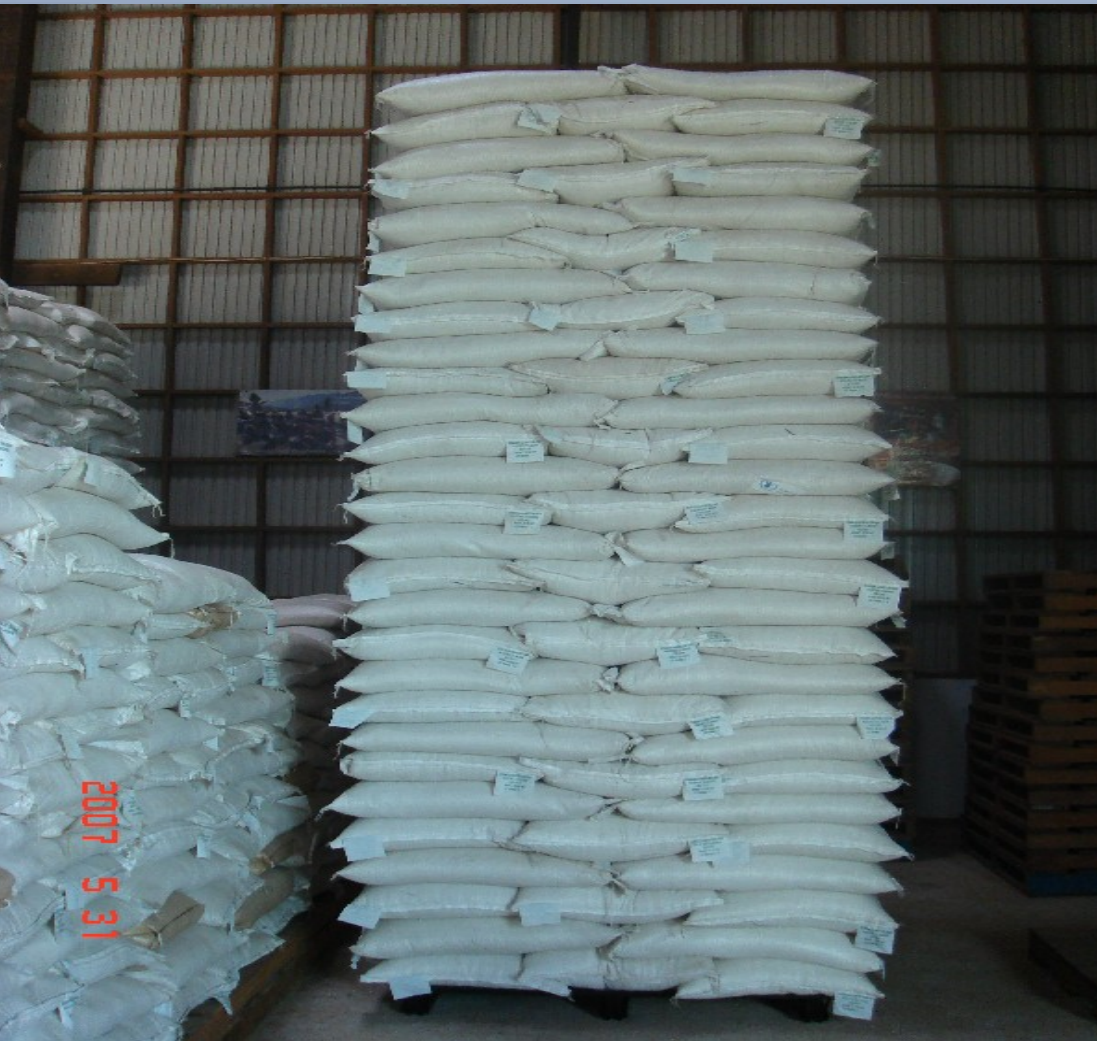
Steel = 1000 pallets

Wood/Plastic = 250 pallets



# Stackable Steel Pallets

Load Tested by WFP 140 x 30 kg bags = 4200 kg



1000 pallets = 1 x 20' container  
11,500kg





# Rollable Pallet Mat (RPM's)

Designed for emergencies and for use with Mobile Storage Units.

Lightweight, durable, strong.

3m x 2m each 17 kg

Cost per  
mat \$350

Tested to 4500kg



Each Rollable Pallet Mat is Equivalent to 6 x 1m<sup>2</sup> pallets



# Rollable Pallet Mats RPM's



**Tested to 4500kg**



**Lightweight  
17kgs**



**Mobil and re-usable**

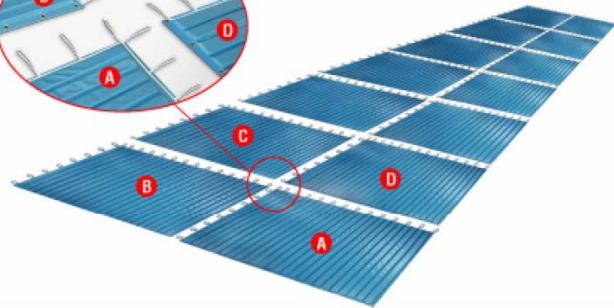
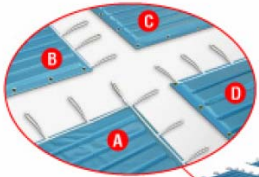
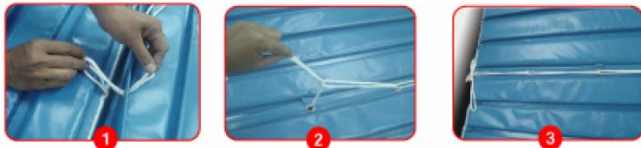
**Allows air circulation and fumigation**



# Rollable Pallet Mat RPM's

## User Guide

### Joint Step



### Storage

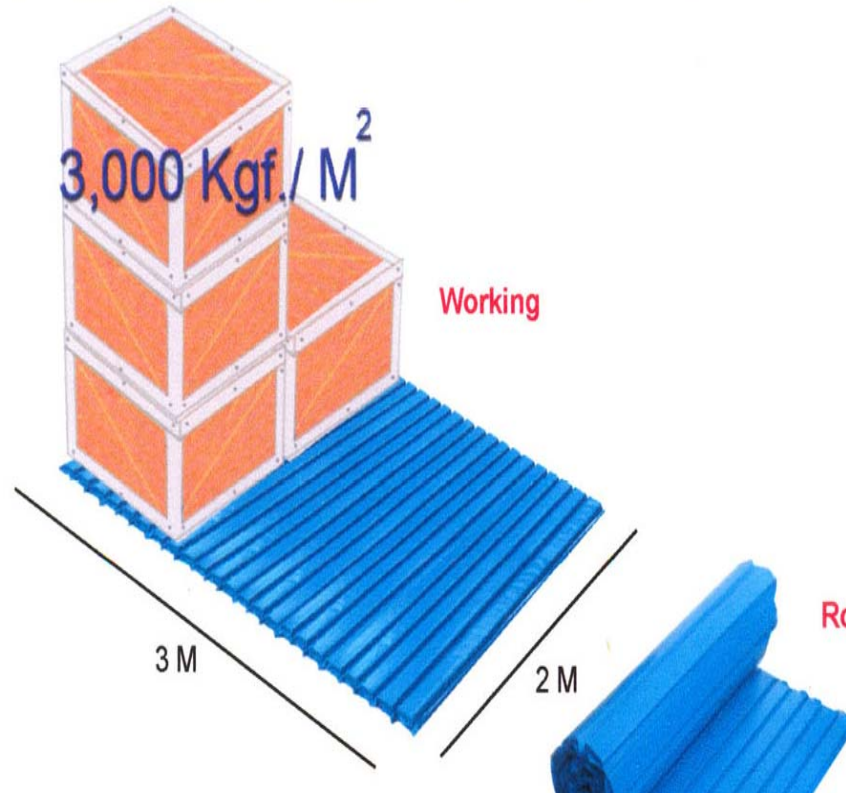


## Rollable Pallet Mat - S ( R

Patent

3,000 Kgf./ M<sup>2</sup>

Working





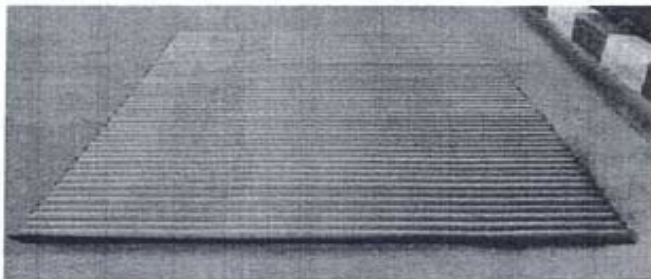
# Rollable Pallet Mat RPM's


**SIAM STEEL** 50<sup>th</sup>  
 INTERNATIONAL P.L.C. Anniversary  
 ISO 9001 ISO 14001 Since 1953

**During Testing**



**After Testing**



## ROLLABLE PALLET MAT

**DYNAMIC LOAD TEST**

**INSPECTION REPORT**

**Test Result :** After testing , the product has no damage and no loss of serviceability

**Inspected by :** Bureau Veritas ( BV )



( Mr. Sarayuth Wangphol )

**Tested by :** Siam Steel International PLC.

( Mr. Charoenchai Yookongtum )

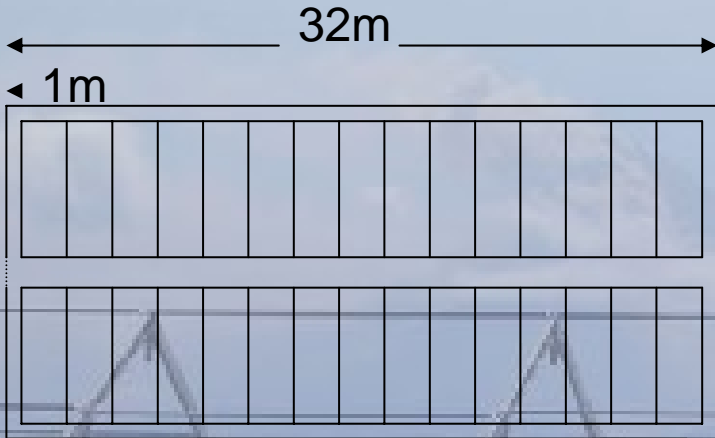
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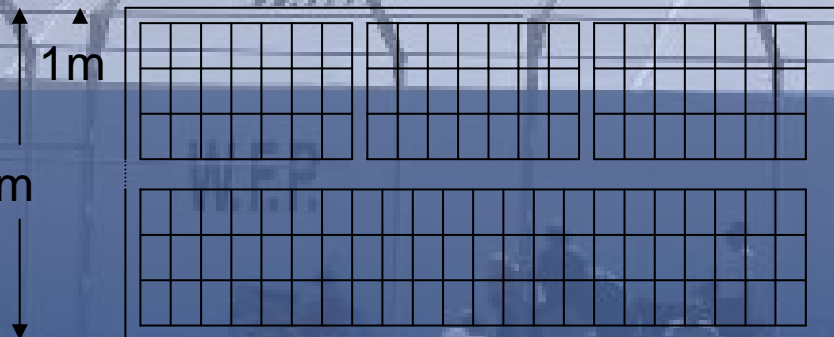
# Emergency Pallets used in 'MSU's

## Pallet layout

**Rollable Pallet Mats** 30 units



**Stacking Pallets** 126/180 units



1 x 20 container carries :

5 x MSU's 10m x 32m

or

Rollable Pallet Mats for 5 MSU's

or

Stacking pallets for 8 MSU's

