



The Status of Korea Pallet Standardization



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본 원고는 지난 2013년 7월 17일 일본 동경 'Mielparque Tokyo' 에서 열린 2013 제8회 APSF(Asia Pallet System Federation) 총회 발표자료로 각국의 파렛트 및 리터너블 컨테이너 조사 내용 발표 중 '한국의 파렛트 표준화 현황'을 (사)한국파렛트컨테이너협회 정태원 전무이사가 발표한 원고입니다.

- 편집자 주 -

1. Flat Pallet Production by MATERIAL

(2011 Year / Korea)

| Material of Pallets | Amount of Production | Sales in Korean Currency) |
|---------------------|----------------------|---|
| WOOD | 15,987,000 Ea | 296,271 MIL WON |
| METAL | 73,000 Ea | 4,334 MIL WON |
| PLASTIC | 13,203,000 Ea | 513,346 MIL WON |
| TOTAL | 29,263,000 Ea | 813,951 MIL WON (722 Million Dollar) |



2. The Production Volume of Flat Pallets by SIZE

(2011 Year / Korea)

| SIZES OF PALLETS | PRODUCTION | RATIO |
|---------------------------------|----------------------|---------------|
| T-11(1100 X 1100mm) | 10,769,000 Ea | 36.8 % |
| T-12 (1200 X1000mm) | 4,484,000 Ea | 15.3 % |
| Sub TOTAL(ASIA TANDARED) | 15,253,000 Ea | 52.1 % |
| OTHERS | 14,010,000 Ea | 47.9 % |
| TOTAL | 29,263,000 Ea | 100 % |

3. Pallet Quantity being used in Pool System

* This figure is estimated.

(2011 Year / Korea)

| Materials of Pool Pallets | Size | Amount of Possession | Ratio |
|---------------------------|----------------|----------------------|--------------|
| WOOD Pallet | 1100 x 1100 mm | 680,000 Ea | |
| | 1200 x 1000 mm | 420,000 Ea | |
| | Others | 60,000 Ea | |
| | Sub Total | 1,160,000 Ea | 10.1 % |
| PLASTIC Pallet | 1100 x 1100 mm | 7,350,000 Ea | |
| | 1200 x 1000 mm | 1,330,000 Ea | |
| | Others | 1,570,000 Ea | |
| | Sub Total | 10,250,000 Ea | 89.8 % |
| BOX Pallet | - | 352,000 Ea | 3.1 % |
| Total(for Pallet) | | 11,410,000 Ea | 100 % |

* Returnable Plastic Container Total 19,100,000 Ea

* Pooling Pallets & Containers' Quantity Total 30,510,000 Ea



4. The type of Usage for Pallets and Containers

(2011 Year / Korea)

| Type of usage | Flat Pallet Ratio | Plastic container Ratio |
|--|-------------------|-------------------------|
| Storage & handling within the site-Captive | 26.4 % | 10.5 % |
| One-way use of domestic transport | 49.4 % | 72.5 % |
| Returnable use of domestic transport | 24.2 % | 17.0 % |
| Total | 100 % | 100 % |

5. The Usage Volume of Pallets by Size

(2011 Year / Korea)

| Type of usage | T-11 | T-12 | Others in KS | Non KS | Total |
|---------------|---------------|---------------|--------------|---------------|--------------|
| Total | 35.3 % | 14.4 % | 7.1 % | 43.2 % | 100 % |

*** Asia Standard (T-11 + T-12 = 49.7 %)**



6. The process of development by stages in Flat Pallets Standardization of Korea

➤ Stage 1: Government policy and Promotion for thru-transit pallets for materials handling in Korea

- Adoption of T-11 type of pallet (1992.12.30)
- From 1992 to present (progressed steadily)

➤ Stage 2: Participating in ISO development

1) Revision of ISO 6780(1995-2003.8)

- The revision has completed in Aug. 2003
- T-11 has been included in ISO 6780

2) Promotion of Asia Pallet Standardization(2003~present)

- Holding the Asia Standardization Conference in 2003
 - ✓ Achieving consensus about the needs of Asia Pallet Standardization
 - ✓ Achieving consensus about establishment of organization for Asia Pallet Standardization

3) As a result of above activities, APSF foundation general meeting in 2006

- Establishing standard for Flat pallets for intercontinental materials handling in Asia

➤ Stage 3: Human resources training program for APSF members by operating;

- Asia Unit Load School (Asian unit load training programs and conferences, etc.) (2007 - present)

| | | | | | |
|----------|---------|----------|-----------|-------|-------|
| 2007 | 2008 | 2009 | 2010 | 2011 | 2012 |
| Thailand | Vietnam | Malaysia | Indonesia | India | China |

There will be constant effort for the cooperation with members for ONE ASIA, ONE PALLET SYSTEM.