

Packaging and Marking

Directives for the transport

HW 162 90**Contents**

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Applicable Standards

DIN 55402 : 1982-06	Marking for shipping of packages - Part 2: Directive for export packaging
DIN 55405	Packaging - Terminology - Terms and definitions
DIN 55473 : 2001-02	Packaging - Desiccant in bag; Technical delivery conditions
DIN 55474 : 1997-07	Auxiliary means of packaging - Desiccant in bag; Applicable; Calculation of the required number of desiccant units
DIN 55499-1 : 1983-05	Packaging - Part 1: crates from solid wood; designs, sizes, quality grades
DIN 55530 : 1987-01	Films for packaging purposes - Barrier films from PE-LD
DIN ISO 1496-1	Container - Part 1: Minimum interior dimensions
DIN EN ISO 780 : 1999-04	Packaging - Pictorial marking for handling of goods
ISO 668	Container - Dimensions and ratings
VDI 2700	Cargo security on road vehicles
HPE	Packaging directives (Bundesverband Holzpackmittel; Paletten; Export verpackungen)
94/62/EG	European Packaging directive
2004/12/EG	European Packaging directive - Amendment 2004
HW 121 80	Loading gauge

1 Scope

This standard applies to the packaging and marking of our products.

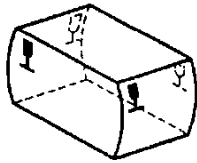
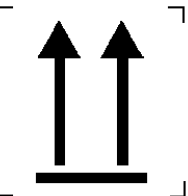
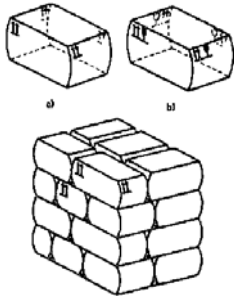
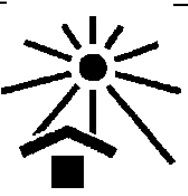
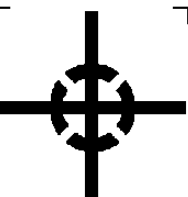
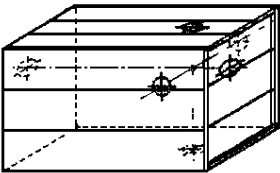
2 Packaging

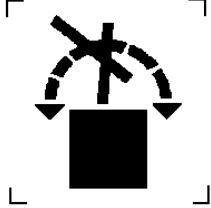
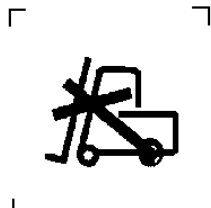
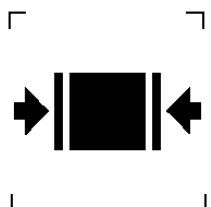
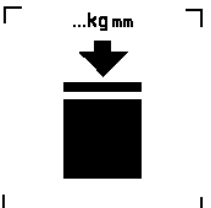
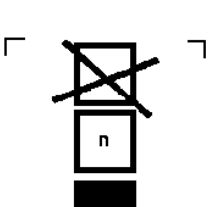
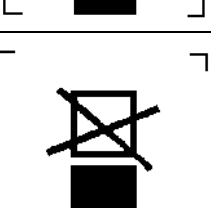
On the transport by truck, rail, ship and aircraft our products must protected against pressure, bending, rust, oxidation, water, sea water damage, theft, etc. The transportation includes loading, transshipment, intermediate storage, moving, storage at the site, improper treatment by auxiliary transshipment facilities or auxiliaries etc.. For this reason, the quality of packaging is in such a way that damage or corrosion of the products is excluded, otherwise must be an unnecessary burden to be avoided. Applicability is the packaging directive of the Bundesverband Holzpackmittel, Paletten, Exportverpackungen (HPE).

3 Marking

The marking of product and packaging must be clearly and weather-resistant, and resist the transport stress. It must be read in the normal transport position. Preferably based on writings of 12.5 mm, 25 mm, 45 mm, 70 mm or 100 mm. The marking signs are preferably in black colour, RAL 9005, execute and light- and saltwater-proof.

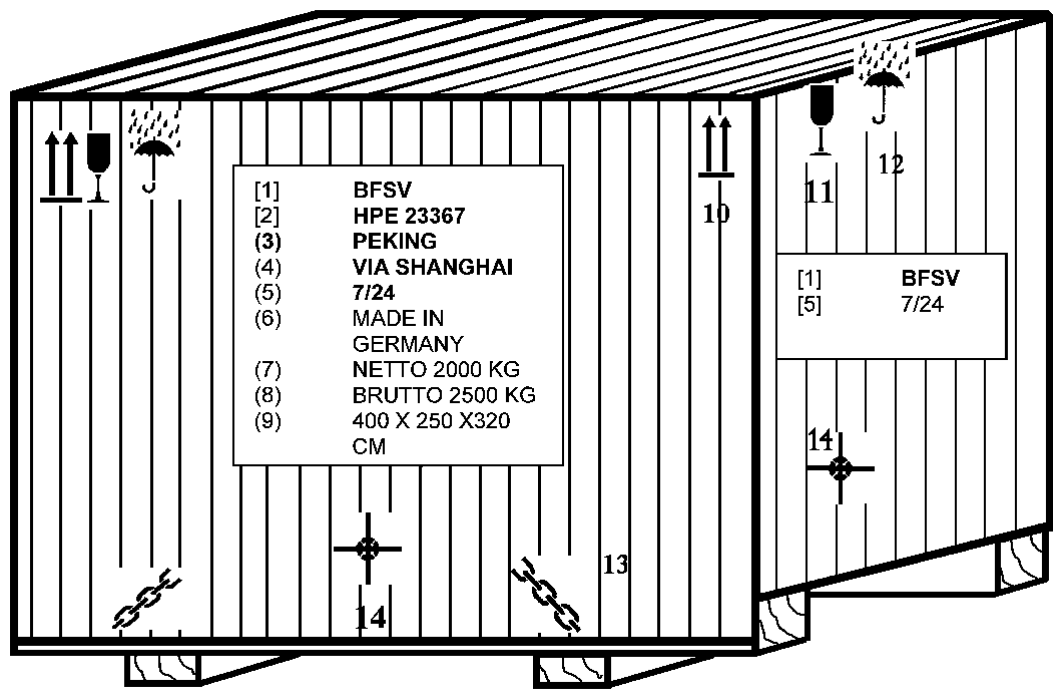
3.1 Marking signs

Significance	Symbols	Function	Remarks
fragile		The contents of the package is fragile, and it must be handled with caution.	ISO 7000, No. 0621 Application example: 
no hooks use		Hooks are forbidden for the handling of the package.	ISO 7000, No. 0622
top		Display the correct upright position of the package.	ISO 7000, No. 0623 Application example: 
protect against heat		The package must be protected from the heat.	ISO 7000, No. 0624
protect against radioactive rays		The contents of the package can be deteriorate or become unusable by radioactive irradiation.	ISO 7000, No. 2401
protect against wetness		The package must be kept in a dry environment.	ISO 7000, No. 0626
center of gravity		Shows the center of gravity of the package, which is handled as a single unit.	ISO 7000, No. 0627 Application example: 

Significance	Symbols	Function	Remarks
do not roll		The package may not be rolled.	ISO 7000, No. 2405
do not put sack trolley here		Sack trolleys are not allowed at this side to handle the package.	ISO 7000, No. 0629
do not put forklift		The package should not be handled with forklifts.	ISO 7000, No. 2406
Brackets in the direction of the arrow		The brackets must be displayed on the sides to handle the package.	ISO 7000, No. 0631
do not put brackets in the direction of the arrow		The package should be displayed on the sides are not handled with brackets.	ISO 7000, No. 2404
Limiting the mass of the pile load		Displays limiting the mass of the pile load of packages.	ISO 7000, No. 0630
Stack limit		The largest number of identical packages, which can be stacked, where n is the number of allowable packages.	ISO 7000, No. 2403
do not stack		The stacking of packages is not allowed, and it should not be placed a burden on the package.	ISO 7000, No. 2402

Significance	Symbols	Function	Remarks
here bump		Slings need for the lifting of the package - as shown - be placed.	ISO 7000, No. 0625 Application example:
allowable temperature range		Shows the temperature range in which the package must be stored and must be handled	ISO 7000, No. 0632 Application example:

3.2 Example of a crate marking



Legend

Labeling		Marking sign
(1) Label	(6) Country of origin	10 Top
(2) Label number	(7) Net weight	11 Fragile / sensitive
(3) Destination	(8) Gross weight	12 Protect from moisture
(4) Destination harbour	(9) Dimensions	13 here bump
(5) Package no. and number of packages		14 here center of gravity