



**NSAI**  
Standards

Irish Standard  
I.S. EN 15946:2011

# Conservation of cultural property - Packing principles for transport

© NSAI 2011 No copying without NSAI permission except as permitted by copyright law.

## I.S. EN 15946:2011

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

*This document replaces:*

*This document is based on:*  
EN 15946:2011

*Published:*  
9 September, 2011

This document was published  
under the authority of the NSAI  
and comes into effect on:  
9 September, 2011

ICS number:

55.040

97.195

NSAI  
1 Swift Square,  
Northwood, Santry  
Dublin 9

T +353 1 807 3800  
F +353 1 807 3838  
E standards@nsai.ie  
W NSAI.ie

**Sales:**  
T +353 1 857 6730  
F +353 1 857 6729  
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

**EN 15946**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2011

ICS 55.040; 97.195

English Version

## Conservation of cultural property - Packing principles for transport

Conservation des biens culturels - Principes d'emballage  
pour le transport

Erhaltung des kulturellen Erbes - Verpackungsverfahren für  
den Transport

This European Standard was approved by CEN on 29 July 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

## Contents

	Page
<b>Foreword.....</b>	<b>4</b>
<b>Introduction .....</b>	<b>5</b>
<b>1 Scope .....</b>	<b>6</b>
<b>2 Normative references .....</b>	<b>6</b>
<b>3 Terms and definitions .....</b>	<b>6</b>
<b>4 Symbols and abbreviated terms .....</b>	<b>7</b>
<b>5 Before packing .....</b>	<b>7</b>
<b>5.1 Risk assessment.....</b>	<b>7</b>
<b>5.1.1 General principles.....</b>	<b>7</b>
<b>5.1.2 Risks related to the object .....</b>	<b>7</b>
<b>5.1.3 Risks related to moving cultural property .....</b>	<b>8</b>
<b>5.1.4 Information on moving the object to be communicated to the packer/transporter.....</b>	<b>8</b>
<b>5.1.5 Site visit .....</b>	<b>9</b>
<b>5.2 Choice of packaging.....</b>	<b>9</b>
<b>5.2.1 General principles.....</b>	<b>9</b>
<b>5.2.2 Surface protection .....</b>	<b>9</b>
<b>5.2.3 Cushioning .....</b>	<b>10</b>
<b>5.2.4 External protection .....</b>	<b>10</b>
<b>5.3 Accompanying condition report .....</b>	<b>10</b>
<b>6 Packing .....</b>	<b>12</b>
<b>6.1 General principles.....</b>	<b>12</b>
<b>6.2 Preparation of packing .....</b>	<b>12</b>
<b>6.3 Handling.....</b>	<b>12</b>
<b>6.4 Packing process .....</b>	<b>12</b>
<b>6.4.1 How objects are placed in the packaging .....</b>	<b>12</b>
<b>6.4.2 Accompanying documents .....</b>	<b>13</b>
<b>6.5 External marking.....</b>	<b>13</b>
<b>7 Unloading and reception.....</b>	<b>13</b>
<b>8 Unpacking.....</b>	<b>14</b>
<b>8.1 General principles.....</b>	<b>14</b>
<b>8.2 Preparation for unpacking .....</b>	<b>14</b>
<b>8.3 Unpacking .....</b>	<b>14</b>
<b>8.4 Storing packaging.....</b>	<b>14</b>
<b>9 Repacking.....</b>	<b>15</b>
<b>Annex A (informative) Packing solutions according to risks .....</b>	<b>16</b>
<b>Annex B (informative) Example of form for the information to be communicated to the packer/transporter .....</b>	<b>18</b>
<b>Annex C (normative) Different types of gloves for the handling of various types of objects.....</b>	<b>20</b>
<b>C.1 General principles for the selection of gloves.....</b>	<b>20</b>
<b>C.2 Criteria for the choice of gloves .....</b>	<b>20</b>
<b>C.2.1 Reference to statutory requirements relative to the use of gloves .....</b>	<b>20</b>
<b>C.2.2 Absence of products intended to improve contact with the skin.....</b>	<b>21</b>
<b>C.2.3 Impermeability.....</b>	<b>21</b>
<b>C.2.4 Safe handling .....</b>	<b>21</b>
<b>C.2.5 Solidity .....</b>	<b>22</b>

C.2.6 Thinness .....	22
C.2.7 Flexibility and comfort .....	22
<b>Bibliography.....</b>	<b>24</b>

## **Foreword**

This document (EN 15946:2011) has been prepared by Technical Committee CEN/TC 346 “Conservation of cultural property”, the secretariat of which is held by UNI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2012, and conflicting national standards shall be withdrawn at the latest by February 2012.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

## **Introduction**

This European Standard provides recommendations (the word should is used) and lists requirements (the word shall is used) for safe and secure packing of cultural property for transport.

It is intended for individuals or organizations involved in the preservation of cultural property in order to reduce the risk of damage.

The standard proposes a common terminology and procedures for packing.

The appropriate range of knowledge, skills and competencies is required by every party involved with packing cultural property for transport.



This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

- 
- Looking for additional Standards? Visit Intertek Inform Infostore
  - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-