

Technical Requirement for Environmental Products  
The Certificable Technical Requirement for Environmental Labelling Products  
HBC 17—2003  
**Wood Based Panels and Finishing Products** Replace **HJBZ 37—1999**

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### 1 Scope

This technical requirement specifies the basic requirements, technical contents and test methods for environmental labelling products of Wood Based Panels and Finishing Products.

This technical requirement shall apply to Wood Based Panels and Finishing Products (including floor, wallboard, wood door, etc.) which are used in room finishings.

This technical requirement shall not apply to real wood floor.

### 2 Standards cited

Provisions in the following standards are cited in this technical requirement, and therefore form the provisions of the standard.

GB/T 17657-1999 Test methods of evaluating the properties of wood-based panels and surface decorated wood-based panels

GB 18580-2001 Indoor decorating and refurbishing materials--Limit of formaldehyde emission of wood based panels and finishing products

In case of the criteria above are revised, the latest version should be applied.

### 3 Basic requirements

3.1 Quality of products shall conform with requirement of relevant product quality standards.

3.2 Pollutant emission of the company should be obliged to conform with requirement of pollutant emission standards nationally or locally.

### 4 Technical contents

4.1 Formaldehyde released from Wood Based Panels and Finishing Products should conform with requirement in table 1, meanwhile water content in product should meet the corresponding national standards.

**Table 1 Requirement for released formaldehyde from product**

Category	Formaldehyde release limitation, mg/m <sup>3</sup>
Middle density fibreboard, high density fibreboard, chipboard, orient chipboard etc. Glued board, decorative veneered plywood, lumbercore plywood etc.	0.20
Veneer (including impregnated paper pressing wood floor, real wood composite floor, bamboo floor, impregnated paper veneered panel)	0.12

4.2 If coating must be used in wood floor, it should be ultraviolet light solidified coating.

4.3 Adhesive used by Wood Based Panels and Finishing Products should conform to relevant requirements for environmental labelling adhesives.

### 5 Test

5.1 Water content of product should be tested according to provision in 4.3 of GB/T 17657-1999.

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5.2 Formaldehyde released from product should be determined according to 6.4 of GB 18580-2001.

5.3 Requirement for coating used by wood floor should be verified through field inspection.

5.4 Free formaldehyde and free phenol in adhesives used by Wood Based Panels and Finishing Products should be determined according to HBC18 - 2003 Determination for adhesives used in wood industry.

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**Annotations:**

This technical requirement has been prepared by Department of science and technology, standards of State Environment Protection Administration.

The State Environment Protection Administration keeps the right of interpretation for this technical requirement.