

## Sustainable Public Procurement-fiche

Product / service	Version	Date
Wood protection techniques	Basic / Advanced	December 2010

### Scope

These criteria apply to hot-air techniques, to control insect infestation of fitted timber in buildings, e.g. in attics. Also included is the treatment of non-fitted timber (e.g. furniture) in rooms or facilities suited for this purpose.

Insects causing destruction of wood can be killed by the effect of heat. That is why hot-air techniques are effective alternatives to chemical pest control methods. They help to reduce the environmental load resulting from the use of insecticides.

### 1) Subject matter

Wood protection techniques as environmentally friendly processes.

#### 1.1. The subject matter in the framework of the organizations policy.

“For <.....> (name of the public authority), the care for the environment and social aspects is important. It is stated in her <strategic policies>, <mission>, <vision>, <procurement policy>, ...”

#### 1.2. “Reserved contracts”

*This category of contract is handled separately in Article 19 of Directive 2004/18/EC. This article permits the member states to “reserve” the right to participate in public contract award procedures. It includes contracts awarded to sheltered workshops or awarded in the context of sheltered employment programmes restricted to handicapped persons who cannot conduct professional activities under normal conditions. Paragraph 2 of Article 18a of the Law of 24 December 1993 has already taken a step in this direction by enabling, within the European thresholds, an identical strategy.*

### 2) Exclusion criteria

#### 2.1. Social aspects:

Buyers can take account of social aspects in there procurement. For more information about the different possibilities see:

<http://www.gidsvoorduurzameaankopen.be/en/node/108>

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### 3) Technical capacity

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### 4) Market information

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### 5) Technical specifications

***For this product group there is, at present (December 2010), just one eco-label available which forms the basis for formulating environmental compliance criteria. A list showing the criteria taken from the specifications document for this eco-label is given below. Buyers may include these criteria in the technical specifications of their own tender documents. Alternatively, they may give them a more optional character by incorporating them as awarding criteria in the tender, all this depending on the procedure that's chosen. In addition, the PODDO has divided a list (see below) into key criteria and other criteria. The first group is definitely recommended when ordering green and sustainable products in the case of public procurement contracts.***

#### **KEY-CRITERIA:**

##### **a) Treatment guideline**

- All parts of the timber to be treated must be exposed to a temperature of 55° C over a period of at least 60 minutes (in accordance with the provisions of DIN 68800, Part 4.) (Blauwe Engel)
- Continuous measurements of the temperature shall be taken at the cross sectional center of the least accessible parts at least at two points. The measuring points shall be lastingly marked. The readings shall be recorded and kept for at least five years. (Blauwe Engel)

##### **b) Chemicals**

- Chemical pesticides can only be used on those parts of the timberwork which are not reachable by hot-air treatment and which require on-the-spot treatment not achievable by other measures. (Blauwe Engel)
- Chemical wood preservation measures isn't required if: (Blauwe Engel)
  - o coloured heartwood with a sapwood content < 10% is used
  - o timber is fitted into rooms with normal air conditions and (a) is protected against insect infestation by means of a closed covering, or (b) is arranged in such a way as to leave it open and thus checkable.
- The following shall apply additionally: (Blauwe Engel)

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- If the timber to be treated is infected with house longhorn beetles (*hylotrupes bajulus*) only and was fitted in more than 60 years ago, the subsequent preventive chemical wood preservation is not necessary since fitted-in timber of this age is scarcely liable to infection with house longhorn beetles following hot-air treatment.
- In case of special hygiene and food-safety concerns, customer shall be notified that the safety of the construction and its parts must be checked regularly.

Customers shall be informed accordingly. (Blauwe Engel)

### **OTHER CRITERIA::**

#### ***a) Criteria specific to non-fitted timber***

- Given the special features of pest control for non-fitted timber (e.g. furniture) in rooms or facilities suited for the purpose, applicants shall only be liable to meet the requirements below. In addition, they shall declare that they will do without chemical wood-preservation measures (Blauwe Engel):
  - Insect control by means of hot air shall be carried out in accordance with the provisions of DIN 68800 (part 4).
  - Continuous measurements of the temperature shall be taken at the cross sectional center of the least accessible parts at least at two points. The measuring points shall be lastingly marked. The readings shall be recorded and kept for at least five years.
  - Application of the hot-air technique shall be with due observance of occupational safety and accident prevention rules as well as safety, industrial medicine and industrial hygiene regulations.
- It must be checked beforehand whether or not heat-sensitive material might be impaired by being exposed to hot air. The customer shall be notified in writing of the results of such checks. (Blauwe Engel)

#### ***Evidence:***

The compliance with all the criteria mentioned above can be proved with the following label:



Blauwe Engel

In case that the tendering company can present this label, any further proof is not necessary. Any other suitable evidence from a recognized body can also be used.

## 6) Awarding the contract:

	<b>Criteria --- For example ---</b>	<b>Weight</b>
1	<b>Price</b>  <i>Calculation (e.g.):</i> Lowest offered price/ stated price x 0,60	e.g. 60%
2	<b>Environmental criteria</b> (The public authority formulates the points it wants to assign to the below mentioned criteria )  <i>Calculation (e.g.):</i> Total scored points / maximum number of points x 0,35	e.g. 35%
3	...	e.g. 5 %
4	...	e.g. ....

***In above mentioned table, the weight of the environmental criteria shall be stated by the buyer in function of its particular procurement. Representatives of several sectors federations mention often to not underestimate this weight to give sustainability in the awarding phase a chance at all.***

***The environmental criteria in the above mentioned table concern the following issues: see point 5***

## 7) Performance clauses:

### 7.1. Environmental aspects:

#### a) Safety prescriptions

- Application of the hot-air technique shall be with due observance of occupational safety and accident prevention rules as well as safety, industrial medicine and industrial hygiene regulations. (Blauwe Engel)
- For fire-protection reasons the hot-air temperature at the outlet of the feeding pipe shall not exceed 120° C. The outlet shall be kept at a distance of at least 1 meter away from easily inflammable material, e.g. paper, paperboard and the like. (Blauwe Engel)
- It must be checked beforehand whether or not heat-sensitive material might be impaired by being exposed to hot air. The customer shall be notified in writing of the results of such checks. (Blauwe Engel)

#### b) Environmental protection

- For reasons of species protection, advance checks shall be made to verify whether there are animals to be protected, such as bats and kestrels, which might be endangered. (Blauwe Engel)

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### **7.2. Social aspects:**

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### **7.3. Ethical aspects:**

“The tenderer undertakes, until the contract has been executed in full, to respect the 8 Basic Conventions of the ILO

By signing his tender, the tenderer undertakes to respect the standards defined in the Basic Conventions of the International Labour Organisation (ILO) and, in particular:

1. The prohibition of forced labour (C29 Forced Labour Convention, 1930, and C105 Abolition of Forced Labour Convention, 1957);
2. The right to freedom of association (C87 Freedom of Association and Protection of the Right to Organise, 1948);
3. The right to organise and collective bargaining (C98 Right to Organise and Collective bargaining, 1949);
4. The prohibition of any discrimination in terms of labour and remuneration (C100 Equal Remuneration, 1951 and C111 Discrimination (Employment and Occupation), 1958);
5. The minimum age for child labour (C138 Minimum Age Convention, 1973), together with the prohibition of the worst forms of child labour (C182 Worst Forms of Child Labour Convention, 1999).

The non-respect of this undertaking may, by virtue of Article 20, §1, 4° of the general specifications annexed to the Royal Decree of 26 September 1996, give rise to the application of the official measures described in § 6 of the same article, including unilateral termination of the contract.”

## References

[Information of the public authority that used these clauses in a procurement case]