(version 20090601)

Sustainable Public Procurement-fiche: basic

1) Subject matter

Outdoor furniture that is composed of environmentally friendly materials and produced by environmental processes.

"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>, …"

2) Exclusion criteria

Non compliance with environmental and social legislation, which has been the subject of a final judgment or a decision having equivalent effect, may be considered an offence concerning the professional conduct of the economic operator concerned or grave misconduct, permitting to exclude the party concerned from competing for the contract

Ref:
Art. 53 and 54 of Directive 2004/17/EC and Art. 45 of Directive 2004/18/EC

3) Technical capacity

/

4) Technical specifications

a) General

- The VOC content of adhesives used in the assembly of furniture do not exceed 10% by weight; [Eu toolkit core criteria]
- It is possible to separate 90% of the parts from metal, wood, plastic and inert materials (stone, glass) from the other materials. It has not to be possible to separate panel materials with plastic or synthetical resin in the different materials.

Wood and wood-based materials
Wood raw materials

- All wood and wood-based materials shall come from legally sourced timber.; [Eu toolkit core criteria tech spec]

Plastic parts

- All plastic parts ≥ 50g are marked for recycling according to ISO 11469 or equivalent and do not contain additions of other materials that may hinder their recycling.; [Eu toolkit core criteria]

Metal parts

Surface treatment of metal parts

- Products used for surface treatments of metals don't contain chrome VI or their compounds. In exceptional cases, metal surfaces may be treated with chromium where this is necessary on the grounds of heavy physical wear or in the case of parts that require particularly tight connections (i.e. gaslifters, table- and chair legs).; [Eu toolkit core criteria]

Evidence:

The compliance with all the criteria mentioned above can be proved with one of the following labels:

Nordic Swan Labeling

Milieukeur

(Only for the criterium 'raw materials': FSC PEFC or equivalent)

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

5) Awarding the contract:

	Criterium	***Weight***
1	***Price***	e.g. 70%

	Calculation (e.g.): Lowest offered price/ stated price x 0,70	
2	***Environmental criteria*** (The public authority formulates the points it wants to assign to the below mentioned criteria) *Calculation (e.g.):* Total scored points / maximum number of points x 0,20	e.g. 20%
3	…	e.g. 5 %
4	…	e.g. .

Environmental criteria

General

- Percentage by weight of recycled content of wood-based materials, plastics and/or metals in the final piece of furniture. The higher this percentage the more awarding point this product receives.; Eu toolkit core criteria]
- Percentage of VOC content of the adhesives used in the assembly of furniture that is less than 10% by weight. [Eu toolkit core criteria]
- By normal use and maintenance a lifetime of 3 years has to be guaranteed.
- The supplier maintains separately access to spare parts of the furniture (as hinges and weels) for at least 10 years after the delivery of the tool.

Surface treatment of wood

- Active substances, pigments and additives in products for surface treatment of wood are not based on cadmium, lead, arsenic, boron, tin, copper or chrome VI. [Eu toolkit core criteria]
- Chemical substances used in the product for surface treatment of wood do not contain hazardous substances that are classified as carcinogenic (R45, R49, R340, R68), toxic for reproduction (R60 to R63), mutagenic (R40, R46, allergenic by inhalation (R42), harmful to the environment (R50, R51, R50/53, R51/53, R52, R52/53, R53) or danger of serious damage to health by prolonged exposure (R48) according to directive 1999/45/EC. (See annex) [Eu toolkit core criteria]
- Chemical substances used in the surface treatment products for wood do not contain aziridine and phthalates that at the time of application fulfil the classification criteria of any of the following risk phrases (or combinations thereof): R60, R61, R62, in accordance with Directive 67/548/EEC and its amendments. (See annex); [Eu toolkit core criteria]
- The products used for surface coating shall not contain more than 5% by weight of volatile organic compounds (VOCs).; Eu toolkit core criteria]

Plastics

Surface treatment of plastics

- The products used for surface coating do not contain hazardous substances that are classified according to Directive 1999/45/EC as carcinogenic (R40, R45, R49), harmful to the reproductive system (R60, R61, R62, R63), mutagenic (R46, R68), toxic (R23, R24, R25, R26, R27, R28, R51), allergenic when inhaled (R42) or harmful to the environment (R50, R50/53, R51/53, R52, R52/53, R53), cause heritable genetic damage (R46), danger of serious damage to health by prolonged exposure (R48), possible risks of irreversible effects (R68).(see annex); [Eu toolkit core criteria]
- Chemical substances used in the surface treatment of plastic must not contain: or aziridine and phthalates that at the time of application fulfil the classification criteria of any of the following risk phrases (or combinations thereof): R60, R61, R62, in accordance with Directive 67/548/EEC and its amendments. (see annex) [Eu toolkit core criteria]
- The products used for surface coating of plastic shall not contain more than 5% by weight of volatile organic compounds (VOCs).; Eu toolkit core criteria]
- The plastic parts are not surface treated.

Metals

Surface treatment of metals

- Chemical substances used in the surface treatment of metals don't contain aziridine. [Eu toolkit core criteria]
- Chemical substances used in the surface treatment of metals are not classified as ecotoxic (R50, R50/R53, R51/R53, R52/R53, R52 or R53), carcinogenic (R45, R49, R340), toxic for reproduction (R60 to R63), mutagenic (R40, R46) or allergenic by inhalation (R42) according to directive 1999/45/EC. (See annex) Eu toolkit core criteria]

Packaging

- Packaging must consist of readily recycled material, and/or materials taken from renewable resources, or be a multi-use system.; [Eu toolkit core criteria]
- All packaging materials shall be easily separable by hand into recyclable parts consisting of one material (e.g. cardboard, paper, plastic, textile). [Eu toolkit core criteria]

5) Performance clauses:

- The supplier maintains access to spare parts for at least 15 years after the delivery of the tool. If this is not possible the supplier has to guarantee an alternative solution.

References

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

Annex R-PHRASES:

(R-phrases are mentioned on product labels and in product safety datasheets. It can be a useful tool for verification-procedures.)

R1:	Explosive when dry.
R2:	Risk of explosion by shock, friction, fire or other sources of ignition.
R3:	Extreme risk of explosion by shock, friction, fire or other sources of ignition.
R4:	Forms very sensitive explosive metallic compounds.
R5:	Heating may cause an explosion.
R6:	Explosive with or without contact with air.
R7:	May cause fire.
R8:	Contact with combustible material may cause fire.
R9:	Explosive when mixed with combustible material.
R10:	Flammable
R11:	Highly flammable
R12:	Extremely flammable
R13 (obsolet):	*Extremely flammable liquid gas* *(This R-phrase is no longer designated by the version of the GefStoffV published on 26.10.93.)*
R14:	Reacts violently with water.
R15:	Contact with water liberates extremely flammable gases.
Merck R15.1	*Contact with acid liberates extremely flammable gases.*
R16:	Explosive when mixed with oxidizing substances.
R17:	Spontaneously flammable in air.
R18:	In use, may form flammable/explosive vapour-air mixture.
R19:	May form explosive peroxides.
R20:	Harmful by inhalation.
R21:	Harmful in contact with skin.
R22:	Harmful if swallowed.
R23:	Toxic by inhalation.
Riedel-de Haen R23K:	*Also toxic by inhalation.*
R24:	Toxic in contact with skin.
Riedel-de Haen R24K:	*Also toxic in contact with skin.*

R25:	Toxic if swallowed.
Riedel-de Haen R25K:	*Also toxic if swallowed.*
R26:	Very toxic by inhalation.
Riedel-de Haen R26K:	*Also very toxic by inhalation.*
R27:	Very toxic in contact with skin
Riedel-de Haen R27A:	*Very toxic in contact with eyes.*
Riedel-de Haen R27K:	*Also very toxic in contact with skin.*
Riedel-de Haen R27AK:	*Also very toxic in contact with eyes.*
R28:	Very toxic if swallowed.
Riedel-de Haen R28K:	*Also very toxic if swallowed.*
R29:	Contact with water liberates toxic gas.
R30:	Can become highly flammable in use.
R31:	Contact with acids liberates toxic gas.
Merck R31.1	*Contact with alkalies liberates toxic gas.*
R32:	Contact with acids liberates very toxic gas.
R33:	Danger of cumulative effects.
R34:	Causes burns.
R35:	Causes severe burns.
R36:	Irritating to eyes.
Riedel-de Haen R36A:	*Lacrimating*
R37:	Irritating to respiratory system.
R38:	Irritating to skin.
R39:	Danger of very serious irreversible effects.
R40:	Possible risk of cancer. *CAUTION: Until 2001 this R-phrase was used for possible mutagenic or teratogenic risks as well. These risks are now labelled with R68!*
R41:	Risk of serious damage to eyes.
R42:	May cause sensitization by inhalation.
R43:	May cause sensitization by skin contact.
R44:	Risk of explosion if heated under confinement.
R45:	May cause cancer.
R46:	May cause heritable genetic damage.
R47(obsolet):	*May cause deformities.* *(This R-phrase is no longer designated by the version of the GefStoffV published on 26.10.93.)*
R48:	Danger of serious damage to health by prolonged exposure.
R49:	May cause cancer by inhalation.
R50:	Very toxic to aquatic organisms.
R51:	Toxic to aquatic organisms.
R52:	Harmful to aquatic organisms.
R53:	May cause long-term adverse effects in the aquatic environment.
R54:	Toxic to flora.
R55:	Toxic to fauna.
R56:	Toxic to soil organisms.
R57:	Toxic to bees.
R58:	May cause long-term adverse effects in the environment.
R59:	Dangerous for the ozone layer.

R60:	May impair fertility.
R61:	May cause harm to the unborn child.
R62:	Possible risk of impaired fertility.
R63:	Possible risk of harm to the unborn child.
R64:	May cause harm to breastfed babies.
R65:	Harmful: may cause lung damage if swallowed.
R66:	Repeated exposure may cause skin dryness or cracking.
R67:	Vapours may cause drowsiness and dizziness.
R68:	Possible risks of irreversible effects.

COMBINATIONS OF R-PHRASES:

R14/15:	Reacts violently with water, liberating extremely flammable gases.
R15/29:	Contact with water liberates toxic, extremely flammable gas.
R20/21:	Harmful by inhalation and in contact with skin.
R21/22:	Harmful in contact with skin and if swallowed.
R20/22:	Harmful by inhalation and if swallowed.
R20/21/22:	Harmful by inhalation, in contact with skin and if swallowed.
R21/22:	Harmful in contact with skin and if swallowed.
R23/24:	Toxic by inhalation and in contact with skin.
R24/25:	Toxic in contact with skin and if swallowed.
R23/25:	Toxic by inhalation and if swallowed.
R23/24/25:	Toxic by inhalation, in contact with skin and if swallowed.
R24/25:	Toxic in contact with skin and if swallowed.
R26/27:	Very toxic by inhalation and in contact with skin.
R27/28:	Very toxic in contact with skin and if swallowed.
R26/28:	Very toxic by inhalation and if swallowed.
R26/27/28:	Very toxic by inhalation, in contact with skin and if swallowed.
R36/37:	Irritating to eyes and respiratory system.
R37/38:	Irritating to respiratory system and skin.
R36/38:	Irritating to eyes and skin.
R36/37/38:	Irritating to eyes, respiratory system and skin.
R39/23:	Toxic: danger of very serious irreversible effects through inhalation.
R39/24:	Toxic: danger of very serious irreversible effects in contact with skin.
R39/25:	Toxic: danger of very serious irreversible effects if swallowed.
R39/23/24:	Toxic: danger of very serious irreversible effects through inhalation and in contact with skin.
R39/23/25:	Toxic: danger of very serious irreversible effects through inhalation and if swallowed.
R39/24/25:	Toxic: danger of very serious irreversible effects in contact with skin and if swallowed.
R39/23/24/25:	Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R39/26:	Very toxic: danger of very serious irreversible effects through inhalation.
R39/27:	Very toxic: danger of very serious irreversible effects in contact with skin.
R39/28:	Very toxic: danger of very serious irreversible effects if swallowed.
R39/26/27:	Very toxic: danger of very serious irreversible effects through inhalation and in contact with skin.
R39/26/28:	Very toxic: danger of very serious irreversible effects through inhalation and if swallowed.
R39/27/28:	Very toxic: danger of very serious irreversible effects in contact with skin and if swallowed.
R39/26/27/28:	Very toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.
R42/43:	May cause sensitization by inhalation and skin contact.
R48/20:	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R48/21:	Harmful: danger of serious damage to health by prolonged exposure in contact with skin.
R48/22:	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/20/21:	Harmful: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.

R48/20/22:	Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R48/21/22:	Harmful: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
R48/20/21/22:	Harmful: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R48/23:	Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R48/24:	Toxic: danger of serious damage to health by prolonged exposure in contact with skin.
R48/25:	Toxic: danger of serious damage to health by prolonged exposure if swallowed.
R48/23/24:	Toxic: danger of serious damage to health by prolonged exposure through inhalation and in contact with skin.
R48/23/25:	Toxic: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R48/24/25:	Toxic: danger of serious damage to health by prolonged exposure in contact with skin and if swallowed.
R48/23/24/25:	Toxic: danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed.
R50/53:	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53:	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R68/20:	Harmful: possible risk of irreversible effects through inhalation.
R68/21:	Harmful: possible risk of irreversible effects in contact with skin.
R68/22:	Harmful: possible risk of irreversible effects if swallowed.
R68/20/21:	Harmful: possible risk of irreversible effects through inhalation and in contact with skin.
R68/20/22:	Harmful: possible risk of irreversible effects through inhalation and if swallowed.
R68/21/22:	Harmful: possible risk of irreversible effects in contact with skin and if swallowed.
R68/20/21/22:	Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.