

SKANSKA SWEDEN ENVIRONMENTAL REQUIREMENTS

FOR SUPPLIERS

The goal for Skanska Sweden is to be the leading green project developer and contractor. From a vision of zero environmental impact we can develop a future-oriented way of construction together with our cooperation partners.

For more information about Skanska's environmental work, visit www.skanska.se

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WORK PROCESS

Attachment 1 – Checklist of environmental requirements suppliers

The supplier can identify agreement-specific requirements by using attachment 1 which is based on Skanska Sweden environmental requirements. Environmental actions can then be noted in consensus with the person who is responsible for the procurement at Skanska.

Attachment M1, M3, M4

are templates which the supplier upon request can use as help to identify and verify Skanska Sweden environmental requirements according to M1, M3 and M4.

The checklist, attachment 1, including any certificates according to attachments M1, M3 and M4 and/or other requirement on documentation will be documented together with the agreement and serve as a basis for environmental actions during the contractual period.

SKANSKA SWEDEN ENVIRONMENTAL REQUIREMENTS FOR SUPPLIERS IS AN ATTACHMENT IN AGREEMENTS WITH SUPPLIERS

In this document "suppliers" refers to subcontractors (SC), consultants and other suppliers of materials and services.

M.1 Environmental management at supplier and SC

The supplier must have a structured environmental management work which at least cover the following:

- Name and phone number to the person responsible for environmental issues at the supplier.
- Identification and ensurance of laws and regulations applicable to the supplier and to the assignment.
- Skanska's environmental requirement is ensured at all stages, e.g. through presentation of agreements, environmental rounds and controls.
- Deviations from environmental requirements are addressed to reduce environmental impact and reported to Skanska.

Verification and control:

Upon request:

- Hand over certificate according to attachment M.1.
- SC and consultants should be able to present that people in key position who are working within the assignment have relevant environmental expertise and verified knowledge regarding critical areas, e.g. moisture control, energy efficiency, indoor environment.

M.2 Requirement of goods and documentation

Goods used within Skanska must be evaluated against "Skanska in Sweden's criteria for chemical substances." See www.skanska.se/leverantor.

Requirement on documentation for the worksite:

- Chemicals must be accompanied by a material safety data sheet upon delivery. The safety data sheet must not be older than 3 years.
- SC shall provide a list to the site management of chemicals used on the worksite.

Verification and control:

Chemicals must be verified and controlled according to A or B. Built-in materials must be verified and controlled according to A, B or C.

A. Goods evaluated and approved as described below can be used within Skanska:

- A1. Goods that are registered on the BASTA list (www.bastaonline.se)

- A2. Goods evaluated as *Recommended* or *Accepted* in Byggvarubedömningen (www.byggvarubedomningen.se)
- A3. Goods evaluated as A or B *recommended* according to SundaHus Miljödata (www.sundahus.se)
- B. Goods evaluated as described below shall be specifically justified and approved by Skanska before use:**
- B1. Goods registred in BASTA's *BETA list* (www.bastaonline.se)
- B2. Goods evaluated as *To be Avoided* in Byggvarubedömningen (www.byggvarubedomningen.se)
- B3. Goods with other evaluations than A or B *recommended* in SundaHus Miljödata (www.sundahus.se)
- C. Goods which are not evaluated according to any of the above must be controlled and verified with a statement/certificate of completed control against Skanska in Sweden's criteria for chemical substances and attach a Building Product Declaration in digital form. (www.kretsloppsradet.com/web/page.aspx?refId=186)**

M.3 Requirement for wood materials

Wood raw materials used within Skanska shall be traceable, which means that the supplier must provide reliable documentation regarding handling of wood raw materials throughout the supply chain, where the forestry who delivered the materials cannot be connected to:

- Violations of human rights or that traditionell rights are violated
- Threats to areas of high conservation value as defined in accordance with HCV Network charter or equivalent (www.hcvnetwork.org/)

Verification and control:

The supplier must upon request be able to present a certificate/declaration of the wood raw materials according to:

- A) FSC or PEFC certified timber and goods
- B) Goods which are not certified according to A should be declared according to attachment M.3.

M.4 Requirement for stone materials

Stone materials used within Skanska shall be traceable, wich means that the supplier must provide reliable documentation regarding handling of stone materials throughout the supply chain.

The stone materials must have been produced and processed according to Skanska's code of conduct.

Verification and control:

- The supplier must upon request be able to present a certificate according to attachment M.4.

M.5 Inventory and handling of environmental risks on the worksite

SC shall:

- Identify environmental risks and submit input to worksite management risk inventory. Special considerations must be taken to site/project specific environmental requirements e.g. work close to water, work close to residential buildings, presence of soil contamination, risk of dust, moisture damage, damages affecting the density requirements.
- Carry out work preparations and regular self-monitoring.
- Immediately report environmental accidents and/or incidents to worksite management and take necessary actions.
- Participate in meetings, safety inspections or audits if the worksite request to.

M.6 Waste and residue handling on the worksite

SC shall:

- Follow the projects directions for sorting and disposal of waste.
- Take responsibility for handling and disposal of own hazardous waste in accordance to local waste regulations.

Verification and control:

Upon request:

- Present how the waste was handled.
- Permission/declaration from transporters and waste receiver confirming that the local waste regulation is fulfilled.
- Documentation of handling of construction waste which states what is recycled and what is landfilled.

M.7 Machinery and vehicles on the worksite

Requirements for machinery and vehicles:

- Machinery/equipments must be inspected according to laws and regulations.
- Machinery must meet at least EU step II emission regulations according to EU.
- Vehicles must meet at least Euro 3 emission standards according to EU.
- Hold current work certificate and permissions for machinery and vehicles that are in use.
- Routines/certificates shall be in place for regular service and daily observations.
- Refueling, parking and service of machinery should not pollute soil and water.
- For gasoline engines of less than 20 kW, alcylate fuel must be

used.

- Vehicles and machinery must be equipped with spill containers (absorbent or similar) to be used in case of accidents.
- Fuel tanks (IBC) must meet the ADR-S requirements for transport of hazardous goods, meaning that they must be type-approved and labeled as tightness-tested within the prescribed interval. Fuel tanks must be placed in designated locations.

Requirements for use:

- For agreements with a contractual period of more than one year, all operators of vehicles and machinery must be trained in eco-driving. This does not apply to operators of “special machines”, such as asphalt pavers, compactors, milling machines and pile drivers, for which such driving methods are less applicable.

Specific environmental requirements:

In addition to the general requirements there can be specific environmental requirements that apply for specific projects (e.g. Trafikverket, larger municipalities, sensitive environment)

Verification and control:

Upon request:

- Certificates that regular service and daily observations have been carried-out.
- Copy of environmental product declaration containing information on type of machine, engine model, engine power, model year and lubricants
- Documentation of any actions taken on inspection observations.
- Information on fuel consumption

M.8 Transports to and from the worksite

In addition to current laws and regulations, the following applies:

- Vehicles must be operated with gasoline of environmental class 1 (MK1) or diesel fuel of environmental class 1 with 5% RME or other fuel with equal or better environmental characteristics.
- All drivers of heavy vehicles must be trained in eco-driving.

M.9 Specific environmental requirements

In addition to the general requirements there can be specific environmental requirements that apply for specific projects. The requirements will be identified and communicated in agreement.

Verification and control:

Upon request hand over material specification for LEED (according to provided templates from Skanska)

Attachment 1 – Checklist Environmental requirement for suppliers (agreement-specific)

The supplier identifies agreement-specific environmental requirements from Skanska Sweden environmental requirements by using attachment 1. The supplier will together with the person who is responsible for the procurement at Skanska document environmental actions. The attachment will be documented together with the agreement and will become a basis for environmental actions during the contract period.

Agreement:

(add project name/ framework)

Supplier:

Corporate identification number:

Date:

**Contact person Supplier/
Information provider:**

Name:

Phone:

	Questions	Y/N	If yes, see requirement	Actions for verification and documentation
1	Environmental management, requirement on reporting?		M.1	
2a	Does the delivery include built-in products?		M.2	
2b	Does the delivery include any chemicals?		M.2	
3	Does the delivery include any products with wood material?		M.3	
4	Does the delivery including any products with stone material?		M.4	
5	Are there any risks in the performance which can cause environmental damage?		M.5	
6	Are there any risks for producing own hazardous waste?		M.6	
7	Are vehicles or machinery brought to/used on the worksite?		M.7	
8	Are there any transports to and from the worksite?		M.8	
9	Are there any specific environmental requirements apart from Skanska's requirements?		M.9	

Attachment M.1 Certificate of structured environmental management work

Attachment M.1 is a template that suppliers upon request can use as a help for identifying and certify Skanska Sweden environmental requirement M.1.

Agreement:

(add project name/framework)

Supplier:

Corporate identification number:

Date:

**Contact person Supplier/
Information provider:**

Name:

Phone:

**Responsible for environment at
supplier:**

Name:

Phone:

Description of how requirement M.1 is fulfilled

How do you identify relevant laws and regulations and secure that they are followed?
e.g. list of laws, internal audits.

How do you ensure that Skanska's environmental requirements are implemented in all stages? e.g. through presentations of agreement, environmental rounds and controls.

How do you handle deviations from the environmental requirements and make sure that appropriate actions to reduce environmental impact is taken and reported to Skanska:

Attachment M.3 Certificate - declaration of wood materials

Attachment M.3 is a template which the supplier upon request can use as a help for identifying and certifying Skanska Sweden environmental requirements according to M.3.

Agreement:

(add project name/ framework)

Supplier:

Corporate identification number:

Date:

Contact person Supplier/

Name:

Information provider:

Phone:

Description of how requirement M.3 is fulfilled

Which criteria are used when choosing timber/supplier:

How do you follow-up and verify these criteria?

Which activities do you have for increasing the amount of certified material (FSC/PEFC) in our production?

Presentations of wood materials

(No presentations is required for recycled wood materials)

Product/Wood component				
Type of wood	Percentage (%)	Geographic sources <i>(country/region)</i>	Forestry standard <i>(FSC, PEFC, not certified)</i>	Producer <i>(phone number, address)</i>

(Add more tables if more products shall be presented)

Attachment M.4

Certificate - declaration of stone materials

Attachment M.4 is a template which the suppliers upon request can use as a help for identifying and certifying Skanska Sweden environmental requirements according to M.4.

Agreement:

(add project name / framework)

Supplier:

Corporate identification number:

Date:

Contact person supplier/

Name:

Information provider:

Phone:

Description of how requirement M.4 is fulfilled

Which criteria are used when choosing stone/supplier:

How do you follow-up and verify these criteria?

Which activities do you have for working according to the Fair Stone standard or other similar standards?

Presentation of stone materials

(No presentations is required for recycled stone materials)

Product/Stone component			
Type of stone/ commercial name	Geographic sources <i>(country/region)</i>	Quarry <i>(phone number, address)</i>	Producer <i>(phone number, address)</i>

(Add more tables if more products shall be presented)