

SKANSKA SWEDEN ENVIRONMENTAL REQUIREMENTS

FOR SUPPLIERS

The goal for Skanska Sweden is to be the leading project developer and construction company and to drive the development of green construction. From our core value *Care for life* we take initiatives to sustainable solutions, strive for minimal environmental impact and take responsibility for coming generations. We do this together with our partners and suppliers.

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

By using Attachment 1 the supplier can identify agreement-specific requirements based on Skanska Sweden environmental requirements and record environmental actions 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 requirement M1, M3 and M4.

The checklist, Attachment 1, including any certificates according to attachments M1, M3 and M4 and/or other requirement of 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 all types of suppliers, such as material suppliers, subcontractors (SC), consultants, intermediaries and agents.

M.1 Environmental management at supplier

The supplier must have a structured environmental management work that at least covers 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 requirement in agreements, environmental inspections and controls.
- Deviations from environmental requirements are addressed to reduce environmental impact and is 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 safety, energy efficiency, indoor environment.

M.2 Requirement on products and documentation

Chemicals and building products 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 documentation must not be older than 3 years.
- SC shall provide a list of chemicals used on the worksite to the site management.

Verification and control:

Chemicals should be verified and controlled according to A or B.

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

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

- A1. Products that are registered on the BASTA list (www.bastaonline.se)
- A2. Products evaluated as *Recomended* or *Accepted* in Byggarubedömningen (www.byggvarubedomningen.se)
- A3. Products evaluated as *A*, *B* or *C+* in SundaHus Miljödata (www.sundahus.se)

B. Products evaluated as described below shall be specifically justified and approved by Skanska before use:

- B1. Products registered on BASTA's *BETA list* (www.bastaonline.se)
- B2. Products evaluated as *To be Avoided* in Byggvarubedomningen (www.byggvarubedomningen.se)
- B3. Products with other evaluations than *A, B or C+* in SundaHus Miljödata (www.sundahus.se)

C. Products not evaluated according to any of the above shall be controlled and verified with a statement/certificate of completed control against Skanska in Sweden's criteria for chemical substances and accompanied with a material safety data sheet and a Building Product Declaration in digital form. (www.byggvarudeklarationer.se)

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:

- Illegal logging according to EU Timber regulation.
- Violations of human and/or traditional rights.
- Threats to areas of high conservation value as defined in accordance with HCV Network charter or equivalent (www.hcvnetwork.org/)

Verification and control:

Upon request present a certificate/declaration of the wood raw materials according to:

- A) FSC or PEFC certified timber and products
- B) Products 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, which 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:

- Upon request 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 the 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 effecting the density requirements.
- Carry out work preparations and regular self-monitoring.

- Immediately report environmental accidents or incidents to worksite management and take necessary actions.
- Participate in meetings, safety inspections or audits if the worksite management request to.

M.6 Handling of waste 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 SC shall present:

- Documentation of handling of construction waste, including what is recycled and what is landfilled.
- Permission/declaration from transporters and waste receivers confirming that the local waste regulation is fulfilled.

M.7 Machinery and vehicles on the worksite

Requirements on fuel

- Diesel and petrol used within Skanska shall be of “Miljöklass 1” and at least meet the requirement of CO₂-reduction according to Swedish regulations:
<http://www.energimyndigheten.se/fornybart/hallbarhetskriterier/reduktionsplikt/>
- Other fuels used shall have equal or better environmental performance as above.
- Alkylate fuel shall be used in petrol engine machinery and tools not equipped with catalytic converter.
- Renewable diesel shall not be made from palm oil.

Requirements for machinery and vehicles:

- Routines and certificates shall be in place for regular inspection, service and daily observations.
- Machinery shall meet at least EU step II emission regulations according to EU. In specific projects (e.g. Trafikverket, larger municipalities, sensitive environment) machinery shall meet at least EU step IIIA.
- Heavy vehicles shall meet at least Euro IV emission standards according to EU. In specific projects (e.g. Trafikverket, larger municipalities, sensitive environment) heavy vehicles shall meet at least Euro V.
- Light vehicles (<3,5 ton) shall meet CO₂ emissions <250 g/km.
- In specific projects (e.g. Trafikverket, larger municipalities, sensitive environment) hydraulic oils used shall meet the environmental criteria in the Swedish standard SS 155434.

Requirements for storage and spill response:

- Refueling, parking and service of machinery should not pollute soil and water.

- Vehicles and machinery shall 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 and tightness-tested within the prescribed interval. Fuel tanks must be placed in designated locations.
- From 2020-01-01 the following updated requirements regarding fuel storage at Skanska's sites apply:
 - Fuel shall be embarked to its full volume.
 - Drip-free nozzle shall be used when refueling.
 - If refueling is made by other means, a spill mat or similar absorbant shall be placed under the machine/vehicle to catch fuel spill, alternatively shall the refueling site be equipped with oil separator.

Requirements for use:

- Drivers of machinery and vehicles shall have training in eco-driving. The requirement applies for vehicles: drivers > 25.000 km/year, and for machinery (where applicable training exists): drivers > 1000 h/year

Verification and control:

Upon request SC shall provide:

- Machinery inventory with information of type of machine, engine model, engine power, environmental class, model year and lubricants with environmental product declaration of the machine/vehicle.
- Documentation of actions taken on inspection observations.
- Information on type of fuel and consumption to carry out the work.

M.8 Transports to and from the worksite

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

- Vehicles must be operated with petrol of "Miljöklass 1" or diesel fuel of "Miljöklass 1" with 5% renewables or other fuel with equal or better environmental characteristics.
- All drivers of heavy vehicles must be trained in eco-driving.
- Information on type of fuel and consumption to carry out the work shall be provided upon request.

M.9 Specific environmental requirements

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

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

By using Attachment 1 the supplier can identify agreement-specific requirements based on Skanska Sweden environmental requirements and record environmental actions in consensus with the person who is responsible for the procurement at Skanska. 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 agreement)

Supplier:

Organisation number:

Date:

**Contact person Supplier/
Information provider:**

Name:

Phone:

	Questions	Y/N	If yes, see req.	Actions for verification and documentation
1	Upon request, can you present documentation on environmental management?		M.1	
2a	Does the agreement or work at site include built-in products?		M.2	
2b	Does the agreement or work at site include chemicals?		M.2	
3	Does the agreement or work at site include wood material?		M.3	
4	Does the agreement or work at site include stone material?		M.4	
5	Does the work at Skanska's site pose a risk of environmental damage?		M.5	
6	Are there any risks for producing own hazardous waste at Skanska's site?		M.6	
7	Are vehicles or machinery brought to/used on Skanska's site?		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?		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 to identify and certify Skanska Sweden environmental requirement M.1.

Agreement:

(add project name/framework agreement)

Supplier:

Organisation 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 requirements in agreements, 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 agreement)

Supplier:

Organisation number:

Date:

**Contact person Supplier/
Information provider:**

Name:

Phone:

Description of how requirement M.3 is fulfilled

What criteria are used when choosing timber/supplier:

How do you follow-up and verify these criteria?

Activities for increasing the amount of certified wood (FSC/PEFC) in your production?

Presentations of wood materials (No documentation is required for recycled wood material)

Product / 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:

Organisation number:

Date:

**Contact person supplier/
Information provider:**

Name:
Phone:

Description of how requirement M.4 is fulfilled

What criteria are used when choosing stone/supplier:

How do you follow-up and verify these criteria?

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

Presentation of stone materials (No documentaion is required for recycled material)

Product/Stone component			
Type of stone/ commercial name	Geographic sources <i>(country/region)</i>	Quarry <i>(name, GPS-coordinate)</i>	Producer <i>(name, GPS-coordinate)</i>

(Add more tables if more products shall be presented)