



**Environmental criteria for sustainable public
procurement of**

Winter Maintenance

Version 30 March 2017

1. Scope/definition

The Winter Maintenance product group includes winter maintenance operations in response to precipitation and freezing on roads and other publicly accessible paved surfaces. The following types of slippery conditions are distinguished:

- slipperiness caused by the freezing of wet road segments (after precipitation);
- slipperiness caused by the condensation and/or freezing of fog;
- slipperiness caused by winter precipitation (snow, hail, black ice).

Other slippery conditions on roads are not included here. These can be caused by:

- slipperiness resulting from oil or other (chemical) substances on the road after traffic accidents and/or leakage during transport;
- slipperiness caused by fallen leaves;
- slipperiness caused by mud/clay from vehicles (tyres) such as agricultural vehicles.

Types of terrain

The product group concerns all terrains under government management, with the exclusion of winter maintenance operations at drinking water production companies, where extra measures must be taken to prevent salt from entering the drinking water, and winter maintenance operations at airports (take-off and landing runways). Winter maintenance on this type of terrain is very specific and encompasses a relatively limited surface area.

Activities

The product group contains the activities for preventing and alleviating slippery conditions as described above as part of the product group. Thawing products are used to prevent and alleviate slippery conditions. The same organisations are responsible for accounting for, preparing and executing the policy, the strategy and the process. The aims and activities to achieve this are described in a winter maintenance policy plan. The elaboration of this plan is a winter maintenance implementation plan. In drafting these plans, the administrator may use the "Slippery Conditions Procedure Plan", CROW publication no. 236 (referred to in this document as CROW 236). In this CROW publication, see annex 4, Policy Plan Table of Contents, and annex V, Implementation Plan Table of Contents.

The following products (with their corresponding CPV codes) are part of this product group. This list of products is not intended to be exhaustive.

Products	CPV code
Winter maintenance equipment	
Salt spreaders	34144420-8
Shovel loaders	34144710-8
Snow ploughs and snow blowers.	43313000-0
Material for winter maintenance	44113910-7
Winter maintenance	
Snow clearing services	90620000-9
De-icing services	90630000-2
Purchase of salt	
Spreading salt	34927100-2

This document describes the environmental criteria. Information about the other elements of sustainable public procurement, such as social conditions and social return, may be found on the PIANOo website, on the specific product group page: <https://www.pianoo.nl/document/10831/productgroep-gladheidsbestrijding>.

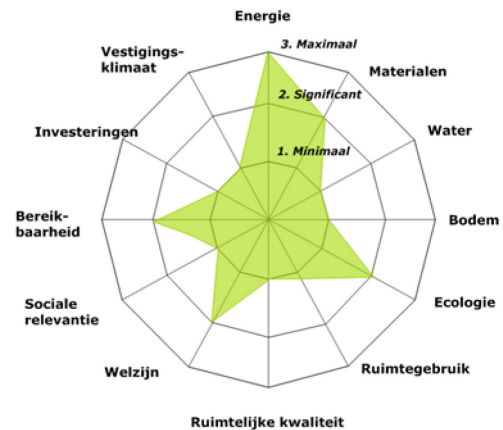
2. Criteria documents and approach to sustainable groundwork, road and hydraulic engineering

The core of the Sustainable Groundwork, Road and Hydraulic Engineering Approach is to allow sustainability aspects to be a consideration from an early planning stage on, with a focus on the whole life cycle of the infrastructure or object(s) to be built. This is the approach that facilitates the biggest gains in sustainability, and it allows a good and broad-based consideration of People Planet and profit to be made in every project (see also <http://duurzaamqww.nl/>)

The AmbitionWeb has a key role in the Sustainable Groundwork, Road and Hydraulic Engineering Approach. It helps clarify ambitions at an early stage of a project, so they can then be maintained throughout the entire project process, from start to finish. For more information about the Sustainable Groundwork, Road and Hydraulic Engineering Approach and AmbitionWeb, see <http://duurzaamqww.nl/ambitiweb>.

The AmbitionWeb revolves around a number of sustainability themes, each with three ambition levels:

1. insight into the biggest impactors and flows for the theme in question, with the achievement of a minimum level, “state of the art”;
2. drafting specific reduction targets and achieving a significant improvement on the theme in question;
3. adding value, instead of just making things “less bad”. Not only is the impact on people/planet/profit zero, but a positive contribution is made.



Part of level 1 is meeting the suitability requirements, minimum requirements and contract provisions of the Sustainable Procurement criteria documents. The award criteria may be used to make a contribution to levels 2 and 3.

The following table presents the themes, based on the classification used in the criteria documents, on which the buyer can actually have an impact by using the requirements and criteria in this criteria document. It should be noted that a slightly different classification is used in the AmbitionWeb.

Below is a list of the requirements and criteria broken down by the individual themes. The criteria documents identify a total of five themes (the corresponding theme from the AmbitionWeb is shown in brackets):

- energy and climate (AmbitionWeb: “energy”);
- supplies and raw materials (AmbitionWeb: “supplies”);
- water and soil (AmbitionWeb: “water” and “soil”);
- living environment (AmbitionWeb: “welfare”);
- nature and space (AmbitionWeb: “ecology”).

Themes	Level 1 AmbitionWeb Selection criteria (SC) Technical specifications (ME) Contract provisions (CB)	Level 2 AmbitionWeb Award criteria (GC)
<i>Supplies and Raw materials</i>	ME1. Procurement of winter maintenance implementation services ME2. Procurement of thawing products	
<i>Water and soil</i>	ME1. Procurement of implementation services	



for winter maintenance
ME2. Procurement of thawing products



3. Assignment of criteria to project phases

The criteria in this document pertain to the management and maintenance of existing works.

Heavy-duty and mobile vehicles

The environmental criteria for the Sustainable Public Procurement of Mobile Equipment – Contracting and for the Sustainable Public Procurement of Heavy-duty Motor Vehicles and Mobile Equipment – acquisition apply to any heavy-duty and mobile vehicles to be used or acquired by the contracting authority.

4. Selection criteria

Not defined for this product group.

5. Technical specifications

No.	Technical specifications (ME)
ME1	<p>Procurement of winter maintenance implementation services The tenderer works according to a maintenance plan for the spreading material to be used, drafted based on CROW 270 (Slippery conditions: predict, prevent, combat), annex III.</p> <p><i>Verification</i> The tenderer may be requested to submit the maintenance plan regarding the spreading material to be used and a report of the B activities (winter maintenance) according to CROW 270, annex III.</p>
ME2	<p><i>(This requirement applies to the organisation's own procurement of thawing products and the procurement of winter maintenance as a service where the tenderer supplies the thawing products along with the service)</i></p> <p>Procurement of thawing products Thawing products satisfy at a minimum the composition requirements as cited in the Standard RAW Provisions 50.46.01/50.46.02.</p> <p><i>Explanation</i> This is a requirement stipulated for the organisation's own procurement and the tender from the tenderer for the performance of winter maintenance. In the event it involves the procurement of the services, the contractor declares that it purchases thawing products that satisfy these requirements.</p> <p><i>Verification</i> All vacuum salts and rock salts meet the set criteria. Salt sourced from furnaces may not necessarily meet the criteria. For this category, the tenderer may be requested to demonstrate using the product specifications of the manufacturer that the product meets the requirements set out above.</p>

6. Award criteria

Not defined for this product group.

7. Contract provisions

Not defined for this product group.