

## Procedure for application of alternative drop on-materials to an existing certificate

The certification permits the use of other drop on-materials than those that were used on the road trials, provided that the technical specifications and performance of the products are equivalent.

The use of alternative drop on-systems must be applied for and approved in accordance with the process below. NordicCert is the only organization that can authorize the applications.

Applications for alternative drop-on materials must be submitted as soon as possible but no later than April 15 for the coming season. Notice of approval or rejection of the application will be given as soon as possible but no later than May 15. The application form is available for download at [www.nordiccert.com](http://www.nordiccert.com). Applications must be sent by email to [application.nordiccert@vti.se](mailto:application.nordiccert@vti.se).

Special rules apply for the 2022 season. Applications for alternative drop-on are submitted continuously during the year and approval or rejection is received within 20 working days.

If no application for alternative drop-on materials is made, the material will only be considered approved using the drop-on that was used on the road trials and which is the basis for the certificate's approval.

In the case of extraordinary events, such as material shortages or delivery problems, NordicCert can approve alternative drop-on systems during the season. Such an application will be handled promptly, but with no promised maximum processing time.

### Application and approval process

- Only the holder of the certificate can apply for registration of an alternative drop-on system. Once the application is approved, the approval applies to all contractors.
- Application is made by filling out a form available at [www.nordiccert.com](http://www.nordiccert.com). The form must be signed by a representative for the owner of the certificate with a legally binding signature, certifying that the drop-on systems technical specifications are equivalent, and that the performance of the alternative drop-on system will be the same as the drop-on system used on the road trails.
- The application must contain following information:
  - Manufacturer and commercial name for the drop-on system used on the road trials when the certificate was originally issued.
  - Manufacturer and commercial name for the alternative drop-on system.
  - Declaration of performance (DoP) and full technical specifications for both drop-on glass beads and anti-skid aggregates must be submitted for the products for which the application relates. The documents must contain all the necessary information to enable NordicCert to assess whether the products are equivalent to the certified material (see requirements below). If the documents handed in at the time for registration at the test field lack important information, supplemental information will be required.
- The application is sent to NordicCert with all requested information.
- NordicCert will review the given information and return with an approval or a dismissal of the application. In the case of a dismissal a motivation will be given.
- Approved systems will be added to the certificates in the coming annual update but will be valid from the date of approval.
- Approved drop-on systems for each road marking product will be presented on the website.

- It is possible to apply for several alternative drop-on systems. A fee will be charged for each system.
- The fee for application of an alternative drop-on system is 7000 SEK.
- Permits for alternative drop-on materials are valid for one year and are renewed automatically, unless otherwise is informed (see withdrawal process below).

### Requirements for approval

It is the responsibility of the certificate owner to ensure that the provided documents contain the information needed for NordicCert to assess if the products are equivalent or not. For an alternative drop-on system to be approved, technical specifications and Declaration of performance (DoP) must be equivalent for both products. The alternative drop-on system must have the same type of coating, refractive index, granulometry, and anti-skid aggregate. The type of anti-skid aggregates must be the same as certified in the road trials, i.e., if the certificate was issued with glass-grain anti-skid aggregates, glass grains must be used. The relative amount of anti-skid aggregates in the drop on system must be the same as certified on the road trials. All products must bear the CE marking in accordance with EN 1423:2012.

Following parameters shall be clearly stated in the documentation and must be the same for both products:

<b>Drop-on glass beads</b>	<b>Requirement</b>
Surface treatment of the glass beads	The type of surface coating of the glass beads must be the same, and the type must be declared (e.g. moisture proof, adhesion, floatation, or other type).  If no information is provided, it will be assumed that the product does not have any type of coating. If there are combinations of coatings, this must be stated.
Refractive index	The value of the refractive index must be given, and the class (A, B or C) must be the same.
Granulometry	The size gradation of the glass beads must be given in a table with cumulative retained mass and following the requirements for number of sieves and sieve size in EN 1423.
Dangerous substances	The class must be stated and be Class 1: $\leq 200$ ppm (mg/kg)
<b>Anti-skid aggregates</b>	
Granulometry	The size gradation of the anti-skid aggregates must be given in a table with cumulative retained mass and following the requirements for number of sieves and sieve size in EN 1423.
Dangerous substances	The class must be stated and be Class 1: $\leq 200$ ppm (mg/kg)
Resistance to fragmentation (friability)	The measured value must be given and must be equal or higher.
Chromaticity co-ordinates for non-transparent aggregates	The (x,y) color coordinates must be given.
Luminance factor for non-transparent aggregates.	The measured value must be given and must be equal or higher.

## Withdrawal process

If the conditions change, for example if it comes to NordicCert's knowledge that the products do not perform equally, or that the conditions for product approval change due to for example updates of underlying standards, certifications, legislation or the like, the permit can be withdrawn. In that case, this will be announced as soon as possible after a formal decision has been taken, and will apply from January 1 the following year. The certificate holder will be informed by email. Complaints must be filed within 20 working days after the information was communicated. If the certificate holder wishes to withdraw alternative drop-on materials from its certificates, this is done in writing to NordicCert and applies from January 1 the following year.

## Other comments

- From 2022 certificates will be updated annually. Updated certificates will contain information of approved drop-on systems.
- The validity of the certificates is linked to the FPC's, i.e., FPC with annual audits is required for the certificates to continue to be valid. Certificates that are not updated will no longer be valid.