



National Standards Authority of Ireland

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**ROAD MARKING MATERIALS - QUALITY
CONTROL - PART 1: SAMPLING FROM
STORAGE AND TESTING**

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EUROPEAN PRESTANDARD
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English version

Road marking materials - Quality control - Part 1: Sampling from storage and testing

Produits de marquage routier - Contrôle de la qualité -
Partie 1: Echantillonnage sur stock et essais

Straßenmarkierungsmaterialien - Qualitätskontrolle - Teil 1:
Probenahme an rückgestellter Produktion und Prüfung

This European Prestandard (ENV) was approved by CEN on 19 August 1999 as a prospective standard for provisional application.

The period of validity of this ENV is limited initially to three years. After two years the members of CEN will be requested to submit their comments, particularly on the question whether the ENV can be converted into a European Standard.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
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Foreword

This European Prestandard has been prepared by Technical Committee CEN/TC 226 "Road equipment", the secretariat of which is held by AFNOR.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to announce this European Prestandard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

This European Prestandard consists of the following Parts under the general title: Road marking materials – Quality control:

- Part 1: Sampling from storage and testing
- Part 2: Guidelines for preparing quality plans for materials application
- Part 3: Performance in use

Road studs are included in Part 1 and 2 but not in Part 3.

1 Scope

This Part specifies methods to obtain representative samples of road marking materials for testing and gives the appropriate test methods. The methods to obtain representative samples are described as appropriate for the main product types, i.e. paint, cold plastics, thermoplastics, premix glass beads, drop-on materials, preformed road markings and retroreflecting road studs.

This Part applies to the verification and/or identification of road marking materials held in stock, for example in a warehouse or at the manufacturer's storage facility, or for materials delivered to a customer, which require checking prior to application.

2 Normative references

This European Prestandard incorporates, by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Prestandard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 1423	Road marking materials - Drop on materials - Glass beads, antiskid aggregates and mixtures of the two
EN 1424	Road marking materials - Premix glass beads
EN 1463-1	Road marking materials - Retroreflecting road studs – Part 1: Initial performance requirements

EN 1790	Road marking materials – Preformed road markings
prEN 1871	Road marking materials - Physical properties
prEN 12802	Road equipment - Horizontal signalization - Laboratory methods and identification
ISO 1512:1991	Paints and varnishes - Sampling of products in liquid or paste form

3 Definitions

For the purposes of this Prestandard, the following definitions apply:

- 3.1 Original product container:** The primary packaging of each batch of a road marking material.
- 3.2 Intermediate bulk container (IBC):** Container with a capacity of up to 1000 kg, used as an intermediate size between bags and tins (25 kg to 50 kg) and bulk transport.
- 3.3 Hardener:** A component of the road marking material which through chemical action will cause the product to harden.

4 Sampling procedures

NOTE: Clause 4 specifies the procedure for the selection of original product containers and for obtaining representative samples from a stock for subsequent inspection and testing.

4.1 General

- 4.1.1** When a series of original product containers to be examined can be identified as being from a single batch, the number of containers to be selected for sampling shall be 1%. Not less than two and not more than five containers shall be selected for sampling.
- 4.1.2** When a series of original product containers to be examined can be identified as being from different batches, the sampling shall be organized as follows.
Determine the number of batches and refer to table 1 to obtain the number of batches to be selected for sampling. The number of original product containers to be selected for sampling from each batch for testing shall be 1 %. Not less than two and not more than five containers shall be selected for sampling for each batch.

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