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**BITUMEN AND BITUMINOUS BINDERS -
FRAMEWORK OF SPECIFICATION OF
HARD INDUSTRIAL BITUMENS**

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Bitumen and bituminous binders - Framework of specification of hard industrial bitumens

Bitumes et liants bitumineux - Cadre de spécifications des bitumes industriels durs

Bitumen und bitumenhaltige Bindemittel - Spezifikationsrahmen für Hartbitumen für industrielle Anwendungen

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Foreword

This document (EN 13305:2003) has been prepared by CEN /TC 336 "Bituminous binders", the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by October 2003, and conflicting national standards shall be withdrawn at the latest by October 2003.

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

EN 13305:2003 (E)

1 Scope

This European Standard provides a framework for the specification of hard industrial bitumen used mainly in flooring, varnishes, mineral rubber, roofing and mastic.

Within Europe several types of hard industrial bitumen are used, and dependent upon traditional practices, different grades may be used for the same purpose. The framework given in this Standard provides a basis for quality agreements to be established between supplier and client.

The hard industrial bitumen products are graded by the limits of the ring and ball softening point values, expressed as multiples of 5, and are characterised by an H in front of the values.

2 Normative references

This European Standard 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 Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (included amendments).

EN 1426, *Bitumen and bituminous binders - Determination of needle penetration.*

EN 1427, *Bitumen and bituminous binders - Determination of softening point - Ring and ball method.*

EN 12592, *Bitumen and bituminous binders - Determination of solubility.*

EN 13303, *Bitumen and bituminous binders - Determination of the loss in mass after heating of industrial bitumen.*

EN ISO 2592, *Determination of flash and fire points - Cleveland open cup method (ISO 2592:2000)*

EN ISO 3838, *Crude petroleum and liquid or solid petroleum products - Determination of density or relative density - Capillary-stoppered pycnometer and graduated bicapillary pycnometer methods (ISO 3838:1983).*

3 Properties and test methods

Hard industrial bitumens are specified according to the limits of softening point values. The specification of a hard industrial bitumen with stated values shall be made according to the rules given in Table 1:

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