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Bitumens and bituminous binders - Sustainability - Review on how to address environmental information

Táto technická normalizačná informácia obsahuje anglickú verziu CEN/TR 18114:2024.
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English Version

Bitumens and bituminous binders - Sustainability - Review on how to address environmental information

Bitumes et liants bitumineux - Développement durable
- Revue de la manière de prendre en compte les
informations sur l'environnement

Bitumen und bitumenhaltige Bindemittel -
Nachhaltigkeit - Überprüfung des Umgangs mit
Umweltinformationen

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CEN/TR 18114:2024 (E)

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European foreword

This document (CEN/TR 18114:2024) has been prepared by Technical Committee CEN/TC 336 “Bitumens and bituminous binders”, the secretariat of which is held by AFNOR.

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CEN/TR 18114:2024 (E)**Introduction**

The Construction Products Regulation (CPR), which entered in force in 2011, specifies the need to address the sustainable use of natural resources in harmonised product standards (Basic Works Requirement 7 or BWR 7). The current Mandate M/124 and accepted replies do not address the CPR, therefore it is still not clear how in practice to address BWR 7 in product standards.

Once part of a Standardization Request (SReq), environmental sustainability assessment of bituminous binders needs to be addressed in the revision of the product standards for harmonisation. This raises the question of the need for drafting a CEN/TC 336 specific document giving guidelines on how to address sustainability in the product standards and how, in practical, to realize the corresponding assessments for bitumens and bituminous binders.

Work is ongoing in several CEN/TCs, either on horizontal level or per respective product groups. The information presented in this document was collected by the members of the task group environmental sustainability of the CEN/TC 336 at the time of drafting of this document, December 2023, and should therefore not be considered as exhaustive.

1 Scope

This document provides an overview of:

- current requirements in the European Union and in individual European states to address sustainability in the field of construction works where bitumens and bituminous binders are used;
- the requirements of the Construction Products Regulation (CPR) on environmental sustainability and analyses the implications for bitumens and bituminous binders;
- existing horizontal standard EN 15804:2012+A2:2019 related to core rules for the product category of construction products and assesses if it can be used without any additional documents for bitumen and bituminous binders;
- status of draft standards developed for specific complementary product category rules by CEN/TC 154, CEN/TC 227, CEN/TC 254 and any other relevant TCs, and assesses if these drafts could require any additional documents specific for bitumens and bituminous binders;
- other relevant documents.

This document is intended to provide support to CEN/TC 336 for assessing the need for any further standardization documents covering specific product category rules for bitumens and bituminous binders or for other standardization documents in the field of environmental sustainability of bituminous binders.

This document covers bitumens and bituminous binders as described in EN 12597, including cut-back and fluxed bituminous binder, and bitumen emulsion, as used in construction works.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 12597, *Bitumen and bituminous binders — Terminology*

EN 15804:2012+A2:2019¹, *Sustainability of construction works — Environmental product declarations — Core rules for the product category of construction products*

koniec náhl'adu – text ďalej pokračuje v platenej verzii STN

¹ As impacted by EN 15804:2012+A2:2019/AC:2021.