

## NL BSB® Certificate

### INTRON

#### Certification

#### Environmental quality properties of bituminous bound mixtures

Number: ASP-005/2

Published: 01-11-2004

Valid until: 22-07-1007

#### Producer:

Rheinische Asphalt-Mischwerke GmbH

Asphalt-Mischwerk Porz

Joseph-Linden-Weg

51149 Cologne-Ensen

Telephone: 0049 221 9876070

Fax: 0049 221 9870719

Email: [roemer@rheinische-asphalt.de](mailto:roemer@rheinische-asphalt.de)

#### Certificate has reference to:

The bituminous bound mixture in Enkamat A20, an erosion prevention mat composed of a bituminous bound mixture and plastic reinforcements.

#### Declaration by INTRON Certificatie B.V

This NL BSB® certificate is issued, on the basis of BRL 9320 General Section, dated 10-02-2003, in accordance with the INTRON Certification regulation for Certification and Attestation 2004, by ITRON Certificatie B.V.

INTRON Certificatie B.V. declares that it is legitimately confident that the bituminous bound mixture manufactured by the producer will fulfil the environmental quality specifications recorded in this NL BSB® in continuity, provided they depict the NL BSB® logo or image, in the same manner as shown on this NL BSB® certificate.

INTRON Certificatie B.V. declares that the bituminous bound mixture complies with the applicable requirements of the Building Material Decree ("Bouwstoffenbesluit"), in their application under the abovementioned conditions. For the recognition of this certificate by the Minister of VROM (Housing, Spatial Planning and the Environment), you are referred to the official "Overview of Recognised and to be recognised Quality Certification, Building Material Decree" ("Bouwstoffenbesluit"), reproduced on the Association for Building Quality's (Stichting Bouwkwaliiteit -SBK) website, at [www.bouwkwaliiteit.nl](http://www.bouwkwaliiteit.nl).

For INTRON Certificatie B.V.

R. Woonink

Certification Manager

Users of this certificate are advised to consult INTRON Certificatie. B.V. to check if this document is still valid.

Image of the NL BSB® logo

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This certificate consists of 4 pages.

## **NL BSB® Certificate**

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## **1. ENVIRONMENTAL QUALITY SPECIFICATIONS**

### **1.1 Subject and area of applicability**

This NL BSB® certificate has reference to the environmental quality performances and properties of the bituminous bound mixture produced by Rheinische Asphalt-Mischwerke GmbH for application in bituminous bound cover constructions in coastal and river-side works. A bituminous bound mixture is a mixture of building materials composed of minerals and a bituminous binding agent. The composition of bituminous bound mixtures can diverge greatly. The building materials employed are, however, always the same ones; only the ratios in the mixture change.

The bituminous bound mixtures, as defined in this certificate, are exclusively applied in the bituminous bound covers (erosion prevention mats) in coastal and riverside works bearing the trademark Enkamat A20.

### **1.2. Trademarks**

The delivery note of the bituminous bound mixture is marked with the certification mark of INTRON Certificatie B.V. and the NL BSB® trademark (see front of this NL BSB® certificate). The delivery note also contains the following mandatory notations:

- the certificate number : ASP-005;
- manufacturer : Rheinische Asphalt-Mischwerke GmbH;
- location of production : Asphalt Mischwerk Porz, Cologne-Ensen
- mixture code / product name : bituminous bound mixture in Enkamat A20
- amount supplied : in m<sup>3</sup>

### **1.3. Material properties**

#### **1.3.1 Organic materials composition**

The average compositional value of organic materials, specified in accordance with NEN 7330 and AP04 complies with article 7, paragraph 1, sub-section a of the Building Material Decree ("Bouwstoffenbesluit").

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## **2. PERFORMANCES**

### **2.1 Immission in ground and surface water**

In observance of the conditions stated under point 3, the average immission of the bituminous bound cover in the ground and surface water complies with appendix 2 of the Building Material Decree (“Bouwstoffenbesluit”).

The bituminous bound mixture, as defined in this certificate, is applied in a coating cover with a thickness of 20 mm. The amount of bituminous bound mixture incorporated herein amounts to 20 kg/m<sup>2</sup>. At this quality, the bituminous bound mixture can be applied as a category 1 non-moulded building material, at a thickness of 0.2 meters.

## **3. QUALITY OF THE WORK**

The quality level of the bituminous bound coating cover must at least be equivalent to the quality level stipulated in article 52.52.03 up to 52.52.08 inclusive of the Standard RAW Specifications (Works of Civil Engineering Constructions).

For mixtures and applications that are not stated in the Standard RAW Specifications, the quality level in the work must be at least equivalent to the quality level stated by the manufacturer.

For an application as a category 1, 1A or 1B building material, the conditions in accordance with the Building Materials Decree are applicable, as stated in:

- Article 10, paragraph 1, sub-section a and b

## **4. HINTS FOR THE USER**

1. On delivery, check whether:
  - the correct amount and substance that was ordered has been delivered;
  - the trademark and the manner of marking are correct;
  - the delivery note contains all details;
  - the bituminous bound mixture does not display any visible shortcomings.
2. Should, on the grounds of the points made in section 1, a decision be taken to refuse the delivered product, contact must be made with:
  - Rheinische Asphalt-Mischwerke GmbH  
and, if necessary, with
  - INTRON Certificatie B.V.
3. Check if the conditions for application are met.
4. Check if and by whom the relevant authorities must be informed.

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**5. LIST OF DOCUMENTS METIONED**

For an overview of the documents mentioned in this certificate, you are referred to BRL 9320, which is named in the list of national assessment guidelines, published by SBK.