



SLOVENSKI STANDARD

SIST EN 15817:2011

01-junij-2011

**Bitumenske debeloslojne prevleke za tesnjenje, modificirane s polimeri -
Vodoodpornost**

Polymer modified bituminous thick coatings - Water resistance

Kunststoffmodifizierte Bitumendickbeschichtungen - Wasserbeständigkeit

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Ta slovenski standard je istoveten z: EN 15817:2011

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ICS:

91.100.50 Veziva. Tesnilni materiali Binders. Sealing materials

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en,fr,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 15817

March 2011

ICS 91.100.50

English Version

**Polymer modified bituminous thick coatings for waterproofing -
Water resistance**

Revêtements bitumineux épais modifiés aux polymères
pour imperméabilisation - Résistance à l'eau

Kunststoffmodifizierte Bitumendickbeschichtungen zur
Bauwerksabdichtung - Wasserbeständigkeit

This European Standard was approved by CEN on 13 February 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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COMITÉ EUROPÉEN DE NORMALISATION
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Contents

Page

Foreword.....	3
1 Scope	4
2 Normative references	4
3 Terms und definitions	4
4 Principle.....	4
5 Apparatus	4
6 Procedure	4
6.1 Preparation	4
6.2 Procedure	5
7 Expression of results	5
8 Test report	5

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Foreword

This document (EN 15817:2011) has been prepared by Technical Committee CEN/TC 361 “Project Committee — Polymer modified bituminous thick coatings for waterproofing — Definitions/requirements and test methods”, the secretariat of which is held by DIN.

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 September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

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EN 15817:2011 (E)

1 Scope

This European Standard specifies a procedure for determining the water resistance of polymer modified bituminous thick coatings for waterproofing.

2 Normative references

The following referenced documents are indispensable for the application 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.

FprEN 15814:2011, *Polymer modified bituminous thick coatings for waterproofing — Definitions and requirements*

ISO 554, *Standard atmospheres for conditioning and/or testing — Specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in FprEN 15814:2011 apply.

4 Principle

After preparing a flexible sheet of polymer modified bitumen-emulsion, the specimen is given in water with a room temperature for 28 days.

After that time a visual assessment is due.

5 Apparatus

5.1 Glass beaker containing 2,5 l tap water; dimensions of sample not less than 90 mm × 250 mm. Position the sample such that 2/3 of the sample is immersed in the water and 1/3 is not immersed.

The sample is suspended in the middle of the beaker so that it is surrounded by water on all sides.

5.2 Magnetic stirrer

6 Procedure

6.1 Preparation

The component of the polymer bitumen-emulsion shall be conditioned in a normal climate of $(23 \pm 2) ^\circ\text{C}$ and a relative humidity of $(50 \pm 5) \%$ in accordance with ISO 554 for 28 days.

To provide the specified dry layer thickness, $(4 \pm 0,4) \text{ mm}$, the wet coating has to be levelled off with the help of a frame or gauge of a foil at room temperature as specified by the manufacturer.

The size of the specimen depends on the container.

If required, the inlay has to be incorporated.

6.2 Procedure

After storage in a normal climate, the specimen shall be placed in the container with water for 28 days. During that time the water should be permanently slightly moved with the help of a magnetic stirrer.

7 Expression of results

After 28 days a visual assessment is to be done, whether there are changes to the material, the reinforcement has peeled off or a discoloration of the water.

8 Test report

The test report shall include at least the following information:

- a) all details necessary to identify the product tested;
- b) a reference to this European Standard (i.e. EN 15817);
- c) test period and thickness of the dry product;
- d) visual assessment after the test period;
- e) the date of the tests.

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