

BS EN 15817:2011



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# Polymer modified bituminous thick coatings for waterproofing — Water resistance

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The UK participation in its preparation was entrusted to Technical Committee B/546, Flexible sheets for waterproofing and water vapour control.

A list of organizations represented on this committee can be obtained on request to its secretary.

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English Version

**Polymer modified bituminous thick coatings for waterproofing -  
Water resistance**Revêtements bitumineux épais modifiés aux polymères  
pour imperméabilisation - Résistance à l'eauKunststoffmodifizierte Bitumendickbeschichtungen zur  
Bauwerksabdichtung - Wasserbeständigkeit

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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of an identical text or by endorsement, at the latest by September 2011, and conflicting national standards shall be withdrawn at the latest by September 2011.

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## 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 und 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  $(23 \pm 2)$  °C and a relative humidity of  $(50 \pm 5)$  % in accordance with ISO 554 for 28 days.

To provide the specified dry layer thickness,  $(4 \pm 0,4)$  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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