

Approval body for construction products  
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and  
Laender Governments



## European Technical Assessment

**ETA-14/0198**  
**of 26 June 2014**

### General Part

Technical Assessment Body issuing the  
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

ELASTIK

Product family  
to which the construction product belongs

Liquie applied roof waterproofing based on polymer  
modified bitumen emulsions and solutions

Manufacturer

EDILCHIMICA S.r.l.  
Via Bergamo 23  
20098 S. GIULIANO MILANESE (MI)  
ITALIEN

Manufacturing plant

EDILCHIMICA S.r.l.  
Via BERgamo, 23  
20098 S. Giuliano Milanese (MI)  
ITALIEN

This European Technical Assessment  
contains

7 pages including 4 annexes which form an integral part of  
this assessment

This European Technical Assessment is  
issued in accordance with Regulation (EU)  
No 305/2011, on the basis of

Guideline for European technical approval of "Liquid  
applied roof waterproofing kits", ETAG 005 Part 2:  
"Specific stipulations for kits based on polymer modified  
bitumen emulsions and solutions", Version March 2000,  
amended March 2004,  
used as European Assessment Document (EAD)  
according to Article 66 Paragraph 3 of Regulation (EU)  
No 305/2011.

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## Specific Part

### 1 Technical description of the product

The liquid applied roof waterproofing "ELASTIK" is a kit, which consists of the components:

- liquid applied roof waterproofing "ELASTIK" on the basis of a 1-component polymer modified bitumen emulsion
- polyester fleece as reinforcement "Skudo TNT 250"

The minimum layer thickness of the roof waterproofing applied is 3.6 mm.

As an assembled system these components form a homogeneous seamless roof waterproofing. The components and the system build-up of the roof waterproofing "ELASTIK" are given in Annex A.

### 2 Specification of the intended use in accordance with the applicable EAD

The product is used for the waterproofing of roof surfaces against penetration of atmospheric water.

In the technical file the manufacturer give information concerning the substrates which the product is suitable for and on how these substrates shall be pre-treated.

The levels of use categories are given in Annex A.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of working life of the product of 10 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

The levels of use categories and performances given in Section 3 are only valid if the liquid applied roof waterproofing is used in compliance with the specifications and conditions given in Annex B and the installation instructions of the manufacturer stated in the technical file.

### 3 Performance of the product and references to the methods used for its assessment

#### 3.1 Mechanical resistance and stability (BWR 1)

Not applicable

#### 3.2 Safety in case of fire (BWR 2)

Essential characteristic	Performance
External fire performance	See Annex A
Reaction to fire	See Annex A

### 3.3 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Water vapour permeability	See Annex A
Watertightness	See Annex A
Release of dangerous substances	The product does not contain dangerous substances specified in EOTA TR 034 (version March 2012), except: PAH < 50 mg/kg BaP < 5 mg/kg
Resistance to mechanical damage (perforation)	See Annex A, Levels of use categories
Resistance to plant roofs	See Annex A

### 3.4 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Resistance to wind loads	See Annex A
Slipperiness	See Annex A

### 3.5 Protection against noise (BWR 5)

Not applicable

### 3.6 Energy economy and heat retention (BWR 6)

Not applicable

### 3.7 Sustainable use of natural resources (BWR 7)

For the sustainable use of natural resources no performance was investigated for this product.

### 3.8 General aspects

The verification of durability and serviceability is part of testing the essential characteristics. Durability and serviceability is only ensured if the specifications of intended use according to Annex B and the specifications of the technical file of the manufacturer are kept.

**4 Assessment and verification of constancy of performance (AVCP) system applied with reference to its legal base**

According to Decision of the Commission of 12 October 1998 (98/599/EC) (OJ L 287 of 24.10.98, p. 30), as amended by Decision of the Commission of 8 January 2001 (2001/596/EC) (OJ L 209 of 02.08.2001, p. 33), the system of assessment and verification of constancy of performance (see Annex V and Article 65 Paragraph 2 to Regulation (EU) No 305/2011) given in the following table applies.

Product	Intended use(s)	Level or class	System
Liquid applied roof waterproofing kits	For uses subject to external fire performance regulations	B <sub>ROOF</sub> (t1)	3
	For uses subject to reaction to fire	E	3
	All other roof waterproofing uses (all other characteristics)	—	3

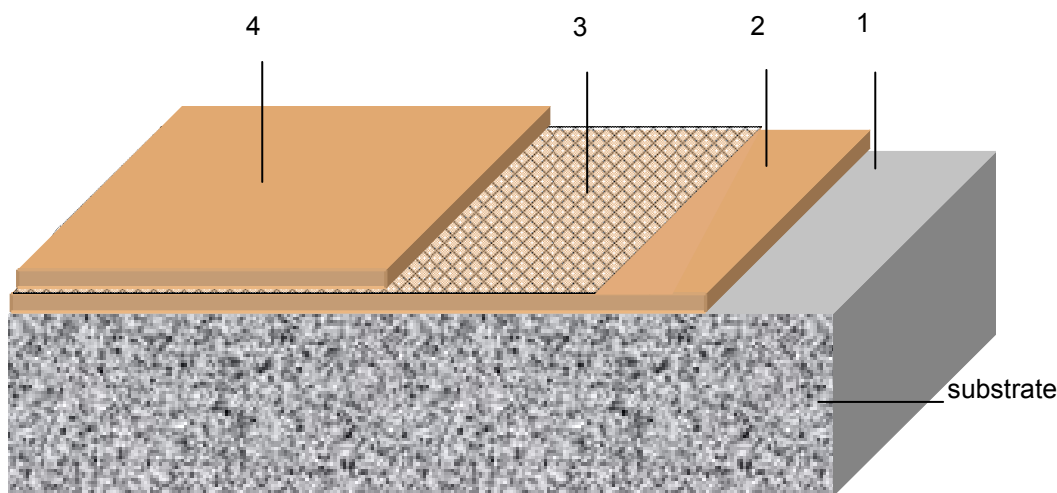
**5 Technical details necessary for the implementation of the AVCP system, as provided for the applicable EAD**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at Deutsches Institut für Bautechnik.

Issued in Berlin on 26 June 2014 by Deutsches Institut für Bautechnik

Gerhard Breitschaft  
President

*beglaubigt:*  
Hemme



Components:

- 1 Substrate
- 2 Waterproofing: liquid synthetic material "ELASTIK"
- 3 Polyester fleece with a nominal weight of 220 g/m<sup>2</sup>
- 4 Waterproofing: liquid synthetic material "ELASTIK"

Applicable to the roof waterproofing "**ELASTIK**"

Minimum layer thickness

3.6 mm

(minimum quantity consumed:  
1<sup>st</sup> layer: 2.0 kg/m<sup>2</sup>  
2<sup>nd</sup> layer: 2.0 kg/m<sup>2</sup>)

Levels of use categories according to ETAG 005 with relation to:

Working life:

W2 (10 years)

Climatic zones:

M (moderate climatic)

Resistance to mechanical damage (perforation):

P3 (non-compressible substrate: concrete/steel and compressible substrates: polystyrene)

Roof slope:

S1 to S4 (all slopes)

Lowest surface temperature:

TL2 (-10 °C) only with UV-protection layer

Highest surface temperature:

TL1 (+5 °C)

Use category related to BWR 3:

TH3 (80 °C)

I/A 3, S/W 2

Performance of the product:

External fire performance

EN 13501-5

no performance determined

Reaction to fire

EN 13501-1

class E

Water vapour diffusion resistance factor  $\mu$

≈ 38000

Watertightness

pass

Statement on dangerous substances

see section 3.3

Resistance to plant roofs

no performance determined

Resistance to wind loads

≥ 50 kPa

Resistance to slipperiness

no performance determined

**ELASTIK**  
EDILCHIMICA S.r.l.

**System built-up, levels of use categories and performances of the product**

Annex A

### Installation

The levels of use categories and the performances of the roof waterproofing can be assumed only, if the installation is carried out according to the installation instructions stated in the technical file of the manufacturer, in particular taking account of the following points:

- installation by appropriately trained personnel,
- installation of only those components which are marked components of the kit,
- installation with the required tools and adjuvants,
- precautions during installation,
- inspecting the roof surface for cleanliness and correct preparation, if need be, applying a primer before applying the product,
- inspecting compliance with suitable weather and curing conditions,
- ensuring a thickness of the cured waterproofing of at least 3.6 mm by processing appropriate minimum quantities of material,
- inspections during installation and of the finished product and documentation of the results.

<b>ELASTIK</b> EDILCHIMICA S.r.l.	Annex B
<b>Intended use</b> Specifications	