

Approval body for construction products
and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and
Laender Governments



European Technical Assessment

ETA-10/0251
of 18 September 2017

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General Part

Technical Assessment Body issuing the
European Technical Assessment:

Deutsches Institut für Bautechnik

Trade name of the construction product

VIASAN

Product family
to which the construction product belongs

Liquid applied roof waterproofing system on the basis of
polyurethan

Manufacturer

VIA DACHTEILE GmbH & Co. KG
Bramfelder Chaussee 100
22177 Hamburg
DEUTSCHLAND

Manufacturing plant

VIA DACHTEILE GmbH & Co. KG
Hauptlager

This European Technical Assessment
contains

8 pages including 3 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

ETAG 005 Part 6: "Specific stipulations for kits based on
polyurethane", ETAG 005 Teil 6,
used as EAD according to Article 66 Paragraph 3 of
Regulation (EU) No 305/2011.

This version replaces

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Specific Part

1 Definition of the construction product

The liquid applied roof waterproofing system "VIASAN" is a kit. The kit consists of the components:

- supporting layer: roof waterproofing sheet "VIA-UP 3" , clutched on upper side with polyester fleece
- cover layer: liquid applied roof waterproofing on the basis of a two component polyurethane "QuiTex DA"
- stripes of polyester fleece for reinforcement

For an adequate adhesion of the waterproofing layer – depending on the type of substrate – a primer on the basis of bitumen is required.

The minimum layer thickness of the roof waterproofing system "VIASAN" applied is 3.5 mm.

As an assembled system these components form a homogeneous seamless roof waterproofing.

The components and the system build-up of the roof waterproofing "VIASAN" are given in Annex A1.

2 Specification of the intended use in accordance with the applicable European Assessment Document

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

The product is suitable for non-compressible substrates (e.g. steel, concrete) and compressible substrates (e.g. insulation boards).

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 A1 and A2.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the roof waterproofing of at least 25 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 documents.

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

3.1 Safety in case of fire (BWR 2)

Essential characteristic	Performance
External fire performance	See Annex A1
Reaction to fire	See Annex A2

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Water vapour permeability	See Annex A2
Watertightness	See Annex A2
Release of dangerous substances	No performance assessed
Resistance to mechanical damage (perforation)	See Annex A1, Levels of use categories
Resistance to plant roofs	See Annex A2

3.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Resistance to wind loads	See Annex A2
Slipperiness	See Annex A2

3.4 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 _{ROOF} (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 in the applicable EAD

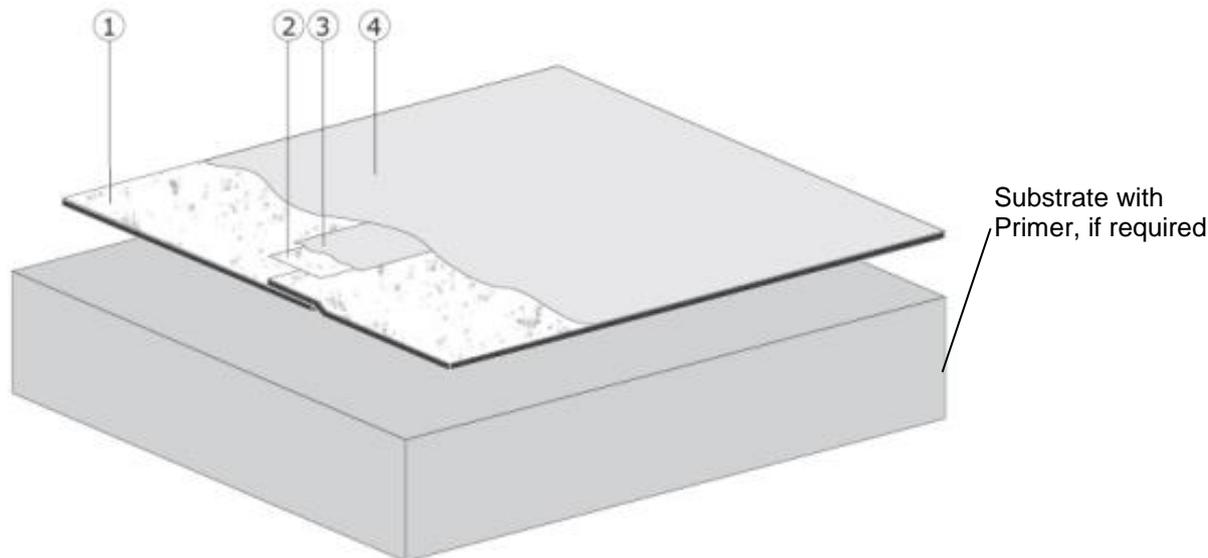
Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 18 September 2017 by Deutsches Institut für Bautechnik

BD Dipl.-Ing. Andreas Kummerow
Head of Department

beglaubigt:
Gnamou

System build-up of the roof waterproofing system "VIASAN"



Components:

- 1 Sheet "VIA-UP 3" clutched with polyester fleece with a nominal weight of 180 g/m²
- 2 Stripes of polyester fleece
- 3 Liquid synthetic material "QuiTex DA" (0,45 g/m²) over joint
- 4 Liquid synthetic material "QuiTex DA" (1,5 g/m²)

Applicable for roof waterproofing "VIASAN":

Minimum layer thickness:	
- sheet	3.0 mm
- liquid synthetic material	0.5 mm
- system	3.5 mm
minimum quantity consumed:	1.8 kg/m ²
<u>Levels of use categories according to ETAG 005 with relation to:</u>	
Working life:	W3 (25 years)
Klimazonen	M (moderate)
Resistance to mechanical damage (perforation) (compressible and non-compressible substrates)	P1 to P3 (compressible substrate, e.g. foam plate)
Roof slope:	S1 to S4 (all slopes)
Lowest surface temperature:	TL3 (-20° C)
Highest surface temperature:	TH4 (90° C)
Use category related to BWR 3:	S/W 3

Roof waterproofing system "VIASAN"

VIA-Dachteile GmbH & Co. KG

System built-up and classifications

Annex A1

Performance of the product:		
External fire performance	EN 13501-5	B _{ROOF} (t ₁)*
Reaction to fire	EN 13501-1	E
Water vapour diffusion resistance factor μ		$\mu \approx 240000$ (at 0% to 75 % r.F)
Watertightness		pass
Statement on dangerous substances		See section 3.2
Resistance to plant roots		no performance determined
Characteristic wind uplift resistance		≥ 2500 Pa
Resistance to wind loads		≥ 50 kPa for tear resistant substrates
Resistance to slipperiness		no performance determined

Class B_{ROOF} (t₁)

The classification is valid for the following supporting decks:

- for roof pitches $< 20^\circ$
- any wooden continuous deck with a minimum thickness of 16 mm and with gaps not exceeding 0.5 mm
- any non-combustible continuous deck with a minimum thickness of 10 mm
- with EPS DAA (EN 13163) clutched with GVK100 with a thickness of 100 mm

Any other roof system for which classification documents for BROOF (t₁) according to EN 13501-5 are available.

Roof waterproofing system"VIASAN"
VIA-Dachteile GmbH & Co. KG

Classifications

Annex A2

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 waterproofing of at least 3.5 mm by processing appropriate minimum quantities of material,
- inspections during installation and of the finished product and documentation of the results.

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<p>Roof waterproofing system"VIASAN" VIA-Dachteile GmbH & Co. KG</p>	<p>Annex B</p>
<p>Intended use Specifications</p>	