Deutsches Institut für Bautechnik

Public-law institution jointly founded by the federal states and the Federation

European Technical Assessment Body for construction products

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European Technical Assessment

ETA-19/0108 of 30 January 2026

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:	Deutsches Institut für Bautechnik
Trade name of the construction product	1K-Flüssigkunststoff PRO
Product family to which the construction product belongs	Liquid applied roof waterproofing based on polyurethane
Manufacturer	Adolf Würth GmbH & Co. KG Reinhold-Würth-Straße 12-17 74653 Künzelsau DEUTSCHLAND
Manufacturing plant	Manufacturing plant 423
This European Technical Assessment contains	9 pages including 4 annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Article 95(4) of Regulation (EU) No 2024/3110, on the basis of	EAD 030350-00-0402
This version replaces	ETA-19/0108 issued on 4 March 2019

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Specific part

1 Technical description of the product

The liquid applied roof waterproofing "1K-Flüssigkunststoff PRO" is a kit, which consists of the components:

- primer (if required),
- liquid applied roof waterproofing on the basis of a one-component polyurethane,
- polyester fleece layer as reinforcement.

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

The minimum layer thickness of the roof waterproofing applied (with reinforcement) is 2.0 mm.

For an adequate adhesion of the waterproofing layer – depending on the type of substrate – a primer is required. In general, the primer belonging to the substrate is given in the manufacturer technical documents[1]. In single cases the manufacturer is responsible to give guidance which pretreatment/primer is required.

The liquid applied roof waterproofing does not contain any substances that are intended to inhibit or prevent root penetration (root protection agents)[2].

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

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

The liquid applied roof waterproofing is used for the waterproofing of roof surfaces, terraces and balconies.

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

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

The product can be used for new roofs or for upgrading existing roof waterproofing. It can also be used on vertical surfaces (details).

The levels of use categories and the performance of the product are given in Annex A2.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of working life of the product of 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.

[1] The manufacturer's technical documents comprises all information necessary for the production and the installation of the product as well as for repair of the roof waterproofing made from that and it is deposited with DIBt.

[2] Manufacturer's statement.

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 of roofs	See Annex A2
Reaction to fire	See Annex A2

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Content, emission and/or release of dangerous substances	
Substance/s classified as EU-cat. Carc. 1A and/or 1B [a)]	No performance assessed
Substance/s classified as EU-cat. Muta. 1A and/or 1B [a)]	
Substance/s classified as EU-cat. Repr. 1A and/or 1B [a)]	
Release scenario regarding BWR 3: S/W 2	
Resistance to water vapour	See Annex A2
Watertightness	See Annex A2
Resistance to wind loads	See Annex A2
Resistance to mechanical damage (perforation)	See Annex A2
Resistance to fatigue movement	See Annex A2
Resistance to the effects of low and high surface temperature	See Annex A2
Resistance to ageing media (heat and water)	See Annex A2
Resistance to UV radiation in the presence of moisture (climatic zone)	See Annex A2
Resistance to plant roots	See Annex A2
Effects of variations in kit components and site practices	See Annex A2
Effects of day joints	See Annex A2

a) In accordance with Regulation (EC) No 1272/2008

3.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Slipperiness	No performance assessed

3.4 General aspects

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

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

In accordance with EAD No. 030350-00-0402, the applicable European legal act is: 98/599/EC as amended by Commission Decision 2001/596/EC.

The system to be applied is: 3

In addition, with regard to external fire performance of roofs and reaction to fire for products covered by this EAD the system to be applied is: 3

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

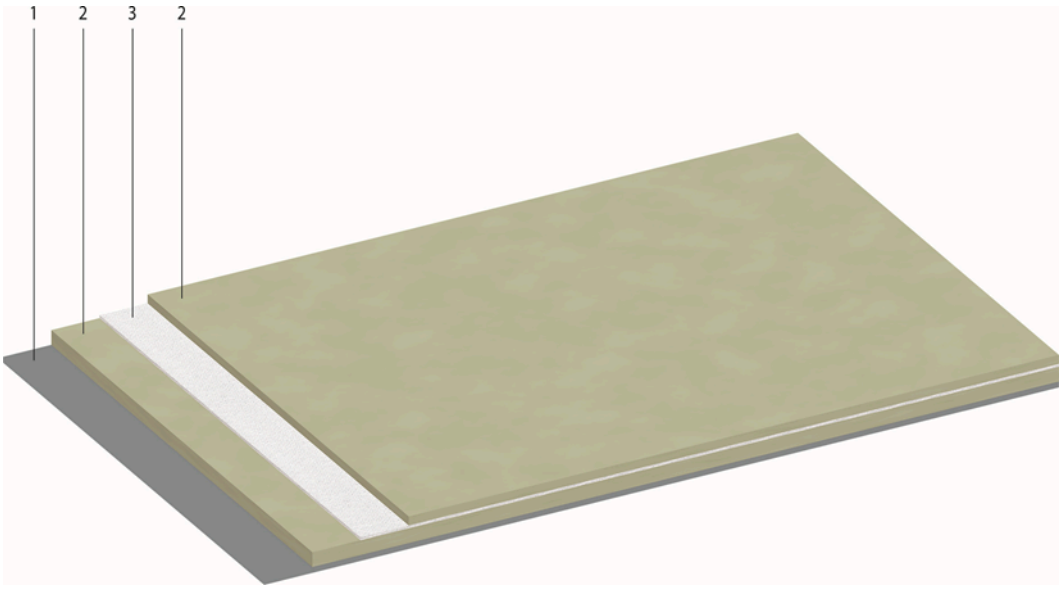
Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

Issued in Berlin on 30 January 2026 by Deutsches Institut für Bautechnik

Bettina Hemme
Head of Section

beglaubigt:
Hannoun

System built-up:



No.	Description	Consumption / weight per unit area / remarks
1	Primer (if required)	According to manufacturer technical documents depending on the type of substrate
2	Liquid waterproofing	Total consumption of 1st + 2nd layer: ≥ 3.0 kg/m²
3	Polyester fleece layer	Weight per unit area ≥ 110 g/m²

1K-Flüssigkunststoff PRO
Adolf Würth GmbH & Co. KG

System built-up

Annex A1

Description of the product			
Minimum thickness of the Waterproofing			2.0 mm
Minimum quantity consumed:			3.0 kg/m²
Roof slope			S1 to S4 (each slope)
Essential characteristics			**Performance / Use category**
External fire performance of roofs		EN 13501-5	Class B_{ROOF} (t1), B_{ROOF} (t2), B_{ROOF} (t3), B_{ROOF} (t4) *
Reaction to fire		EN 13501-1	Class E
Content, emission and/or release of dangerous substances			No performance assessed
Water vapour diffusion resistance factor		23 °C, 0 % / 75 % r. h.	μ ≈ 990
Watertightness			Watertight
Resistance to wind loads (for tear resistant substrates)			≥ 50 kPa
Resistance to mechanical damage (perforation)		for non-compressible substrates (e.g., concrete/steel) and for compressible substrates (e.g., foam boards faced with bitumen membrane)	P1 to P4 (from low to high/special)
Resistance to fatigue movement			W3
Resistance to the effects of		low surface temperature	TL4 (-30 °C)
		high surface temperature	TH4 (+90 °C)
Working life according to the resistance to ageing media (heat and water)			W3 (25 years)
UV resistance in presence of moisture (climatic zone)			M and S (moderate and severe climates)
Resistance to plant roots			Plant root resistant
Effects of variations in kit components and site practices (application temperatures)	at +8 °C and at +35 °C	Maximum tensile strength	80 MPa (±20 %)
		Elongation	55 % (±20 %)
		Dynamic indentation	P4
Effects of day joints			≥ 20 kPa
Resistance to slipperiness			No performance assessed

* For the classification of the external fire performance according EN 13501-5 see Annex A3.

1K-Flüssigkunststoff PRO
Adolf Würth GmbH & Co. KG

Description, levels of use categories and performances of the product

Annex A2

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External fire performance of the roof waterproofing according EN 13501-5

The classification is valid for the following supporting decks:			
Class B_{ROOF} (t1)	**Class B_{ROOF} (t2)**	**Class B_{ROOF} (t3)**	**Class B_{ROOF} (t4)**
• For pitches < 20° on – any not combustible decks with a maximum gap of 5 mm – any continuous wooden decks underlay – insulation (EPS 100 mm) covered with two layers SBS bitumen	• All pitches on – combustible and non-combustible substrates, e. g., wood deck 18 mm with – vapour barrier and – Insulation (EPS 50 mm) covered with two layers SBS bitumen	• For pitches < 10° on – any wooden continuous deck a minimum thickness of 12 mm – any deck made of wooden planks with plain edges – any non-combustible deck with gap not exceeding 5 mm	• For pitches < 10° by roof consisting of – plywood deck (18 mm) – vapour control layer – PIR-insulation (120 mm)

Any other roof system for which classification documents for B_{ROOF} (tX) according to EN 13501-5 are available.

1K-Flüssigkunststoff PRO Adolf Würth GmbH & Co. KG	Annex A3
External fire performance of roofs	

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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 2.0 mm by processing appropriate minimum quantities of material;
- inspections during installation and of the finished product and documentation of the results.

1K-Flüssigkunststoff PRO Adolf Würth GmbH & Co. KG	Annex B
Intended use Specifications for the installation	