

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

European Technical Assessment Body
for construction products



European Technical Assessment

ETA-05/0210
of 8 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

Roof waterproofing "WIDOPAN-FD" / "WIDOPAN-FD 2K"

Product family
to which the construction product belongs

Liquid applied roof waterproofing on the basis of flexible unsaturated polyester

Manufacturer

Widopan Produkte GmbH
Ostereichen 3
21714 Hammah
DEUTSCHLAND

Manufacturing plant

Widopan Produkte GmbH
Ostereichen 3
21714 Hammah
DEUTSCHLAND

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 Article 95(4) of Regulation (EU) No 2024/3110, on the basis of

EAD 030350-00-0402

This version replaces

ETA-05/0210 issued on 4 October 2018

The European Technical Assessment is issued by the Technical Assessment Body in its official language. Translations of this European Technical Assessment in other languages shall fully correspond to the original issued document and shall be identified as such.

Communication of this European Technical Assessment, including transmission by electronic means, shall be in full. However, partial reproduction may only be made with the written consent of the issuing Technical Assessment Body. Any partial reproduction shall be identified as such.

This European Technical Assessment may be withdrawn by the issuing Technical Assessment Body, in particular pursuant to information by the Commission in accordance with Article 36(3) of Regulation (EU) No 2024/3110.

Specific Part

1 Technical description of the product

The liquid applied roof waterproofing "WIDOPAN-FD" / "WIDOPAN-FD 2K" is a kit, which consists of the following components:

- Primer "WIDOPAN-Haftgrund" (if required).
- Liquid applied roof waterproofing on the basis of an unsaturated polyester.
- Polyester fleece 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 2.4 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's technical documents¹. In single cases the manufacturer is responsible to give guidance which pre-treatment/primer is required.

The liquid applied roof waterproofing "WIDOPAN-FD" / "WIDOPAN-FD 2K" 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 product is used for the waterproofing of roof surfaces against penetration of atmospheric water.

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

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

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the liquid applied 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 of roofs	See Annex A2
Reaction to fire	See Annex A2

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.

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Content, emission and/or release of dangerous substances	No performance assessed
Substance/s classified as EU-cat. Carc. 1A and/or 1B ^{a)}	
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.

^{b)} Assessment based on the detailed manufacturer's statements.

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.

Ausgestellt in Berlin am 8 January 2026 vom Deutschen Institut für Bautechnik

Bettina Hemme
Head of Section

beglaubigt:
Hannoun



No.	Description	Consumption / weight per unit area / remarks
1	Primer "WIDOPAN-Haftgrund"	Where required, according to manufacturer technical documents depending on the type of substrate
2	Liquid waterproofing	Total consumption of 1 st + 2 nd layer: $\geq 2.7 \text{ kg/m}^2$
3	Polyester fleece layer	Nominal weight per unit area: 220 g/m^2

Roof waterproofing "WIDOPAN-FD" / "WIDOPAN-FD 2K"
WIDOPAN Produkte GmbH

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

Annex A1

Description of the product		
Minimum thickness of the Waterproofing		2.4 mm
Minimum quantity consumed:		2.7 kg/m ²
Roof slope		S1 to S4 (each slope)
Essential characteristics		Performance / Use category
External fire performance of roofs	EN 13501-5	Class B _{ROOF} (t1)*
Reaction to fire	EN 13501-1	Class E
Content, emission and/or release of dangerous substances		See section 3.2
Water vapour diffusion resistance factor (23 °C, 0% / 75 % r. h.)		μ ≈ 4725
Watertightness		Watertight
Resistance to wind loads (for tear resistant substrates)		≥ 50 kPa
Resistance to mechanical damage (perforation)	for compressible substrates (e.g., insulation boards) and non-compressible substrates (e.g., concrete, steel)	P1 to P4 (from low to high/special)
Resistance to fatigue movement		W3
Resistance to the effects of		low surface temperature
		high surface temperature
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 -5 °C and at +40 °C	Maximum tensile strength
		Elongation
Effects of day joints		≥ 20 kPa
Resistance to slipperiness		No performance assessed
<p>* Class B_{ROOF} (t1)</p> <p>The classification is valid for the following supporting decks:</p> <ul style="list-style-type: none"> • all roof pitches < 20° • any non-combustible continuous deck with a minimum thickness of 10 mm • any other roof systems for which classification documents for B_{ROOF} (t1) according to EN 13501-5 are available 		
Roof waterproofing "WIDOPAN-FD" / "WIDOPAN-FD 2K" WIDOPAN Produkte GmbH		Annex A2
System built-up, levels of use categories and performance of the product		

Installation

The levels of use categories and the performance 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;
- finding out the mix ratio depending on the ambient temperature;
- ensuring a thickness of the cured waterproofing of at least 2.4 mm by processing appropriate minimum quantities of material;
- inspections during installation and of the finished product and documentation of the results.

Roof waterproofing "WIDOPAN-FD" / "WIDOPAN-FD 2K" WIDOPAN Produkte GmbH	Annex B
Intended use Specifications for the installation	