



Designated according to The Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (as Amended 2022)

UK Technical Assessment	UKTA-0836-23/6764 of 28/09/2023
Technical Assessment Body issuing the UK Technical Assessment:	British Board of Agrément
Trade name of the construction product:	Roof waterproofing "WIDOPAN-FD"
Product family to which the construction product belongs:	Product area 03 –Liquid applied roof waterproofing on the basis of flexible unsaturated polyester
Manufacturer:	Widopan Produkte GmbH Ostereichen 3 21714 Hammah Germany
Manufacturing plant(s):	Widopan Produkte GmbH Ostereichen 3 21714 Hammah Germany
This UK Technical Assessment contains:	7 pages including 2 Annexes which form an integral part of this assessment
This UK Technical Assessment is issued in accordance with The Construction Products (Amendment etc.) (EU Exit) Regulations 2020 (as amended in 2022) on the basis of:	UKAD 030350-00-0402 "Liquid applied roof waterproofing kits"

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1. Technical description of the product

The liquid applied roof waterproofing "WIDOPAN-FD" is a kit consisting of the following components:

- "WIDOPAN-Universal primer", depending on the type of substrate
- Liquid applied roof waterproofing "WIDOPAN-FD" based on an unsaturated polyester
- Polyester fleece layer

For an adequate adhesion of the waterproofing layer – depending on the type of substrate – a primer is needed. In general, the compatibility of the primer to the substrate is given in the manufacturer's technical documents. In some cases, the manufacturer is responsible to give guidance as to which pre-treatment/primer is required.

The minimum layer thickness of the roof waterproofing applied is 2.4 mm.

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

Annex A shows the system build-up of the roof waterproofing "WIDOPAN-FD".

2. Specification of the intended use(s) in accordance with the applicable UK Assessment Document (hereinafter UKAD)

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

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

The manufacturer can provide 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 UK 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 performance 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.

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

3.1. Mechanical resistance and stability (BWR 1)

Not relevant

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. Health, hygiene and the environment (BWR 3)

Essential characteristic	Performance
Water vapour permeability	See Annex A
Watertightness	See Annex A
Content, emission and/or release of dangerous substances	No performance assessed
Resistance to mechanical damage (perforation)	See Annex A
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 relevant.

3.6. Energy economy and heat retention (BWR 6)

Not relevant.

3.7. Sustainable use of natural resources (BWR 7)

No performance assessed.

3.8. 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 file of the manufacturer are kept.

4. Assessment and verification of constancy of performance (hereinafter AVCP) system applied

4.1. System of assessment and verification of constancy of performance

According to UKAD No. 030350-00-0402 and Annex V of the Construction Products Regulation (Regulation (EU) 305/2011) as brought into UK law and amended in 2022, the system of assessment and verification of constancy of performance (AVCP) 3 applies.

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

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with the British Board of Agrément and made available to the UK Approved Bodies involved in the conformity attestation process.

5.1. UKCA marking for the product/ system must contain the following information:

- Identification number of the Approved Body
- Name/ registered address of the manufacturer of the product/ system
- Marking including date of Marking and the intended use as stated in the Designated technical specification
- Unique identification code of the product type
- The reference number of the Declaration of Performance
- The level or class of the performance declared
- The reference to the Designated technical specification applied
- UKTA number.

On behalf of the British Board of Agrément



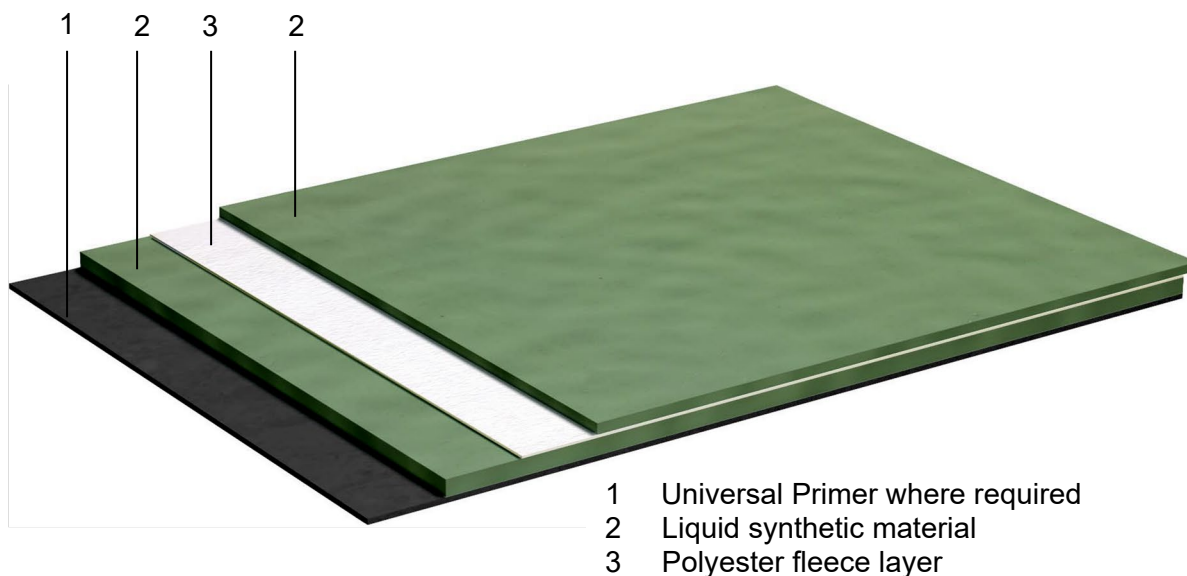
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ANNEX A
System built-up, levels of use categories and performance of the product



Applicable to the roof waterproofing "**WIDOPAN-FD**" :

Minimum layer thickness	2.4 mm
Minimum quantity consumed:	2.7 kg.m ⁻²
Nominal weight of the fleece layer	220 g.m ⁻²
<u>Levels of use categories:</u>	
Working life:	W3 (25 years)
Climatic zones	M and S (moderate and severe climates)
Resistance to mechanical damage (perforation) (compressible and non-compressible substrates)	P1 to P4 (from low to high)
Roof slope	S1 to S4 (each slope)
Lowest surface temperature	TL4 (-30°C)
Highest surface temperature	TH4 (90°C)
<u>Performance of the product:</u>	
External fire performance EN 13501-5	B _{ROOF} (t4)
Reaction to fire EN 13501-1	E
Water vapour diffusion resistance factor μ	$\mu \approx 4725$
Watertightness	Pass
Statement on dangerous substances	See section 3.2
Resistance to plant roots	Root resistant
Resistance to wind loads	≥ 50 kPa for tear resistant substrates
Resistance to slipperiness	No performance assessed

ANNEX B

Intended use / 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 by the manufacturer, and taking account 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 for details as up stands, corners, connections etc.,
- 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 2.4 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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