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European Technical Assessment Body
for construction products



European Technical Assessment

ETA-24/0155
of 18 April 2024

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

Inno MSP-Fluid 1K

Product family to which the construction product belongs

Liquid applied roof waterproofing on the basis of polysiloxane

Manufacturer

IAT INJEKTIONS- UND ABDICHTUNGSTECHNIK GMBH
Badener Straße 54
2514 TRAIKIRCHEN
ÖSTERREICH

Manufacturing plant

Manufacturing plant 51

This European Technical Assessment contains

7 pages including 2 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

EAD 030019-00-0402

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Specific part

1 Technical description of the product

The liquid applied roof waterproofing "Inno MSP-Fluid 1K" is a kit. This kit consists of the components:

- waterproofing coating based on siloxane resins.
- polyester fleece as reinforcement.

The primer belonging to the substrate is given in the manufacturer technical documents¹. In single cases the manufacturer is responsible to give guidance which pretreatment/primer is required.

The minimum layer thickness of the roof waterproofing applied is 2.0 mm.

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

The components and the system build-up of the roof waterproofing "Inno MSP-Fluid 1K" are given in Annex A.

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).

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 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
Reaction to fire	see Annex A
External fire performance of roofs	see Annex A

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.

3.2 Hygiene, health and the environment (BWR 3)

Essential characteristic	Performance
Water vapour permeability	see Annex A
Watertightness	see Annex A
Resistance to mechanical damage (perforation)	see Annex A
Resistance to fatigue movement	see Annex A
Resistance to the effects of low and high surface temperature	see Annex A
Effects of application conditions	see Annex A
Effects of day joints	see Annex A

3.3 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Resistance to wind load	See Annex A
Slipperiness	See Annex A
Working life	See Annex A
Resistance to heat ageing	See Annex A
Resistance to UV-radiation and moisture	See Annex A
Resistance to water ageing	See Annex A
Resistance to plant roots	See Annex A

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 file 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. 030019-00-0402, 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

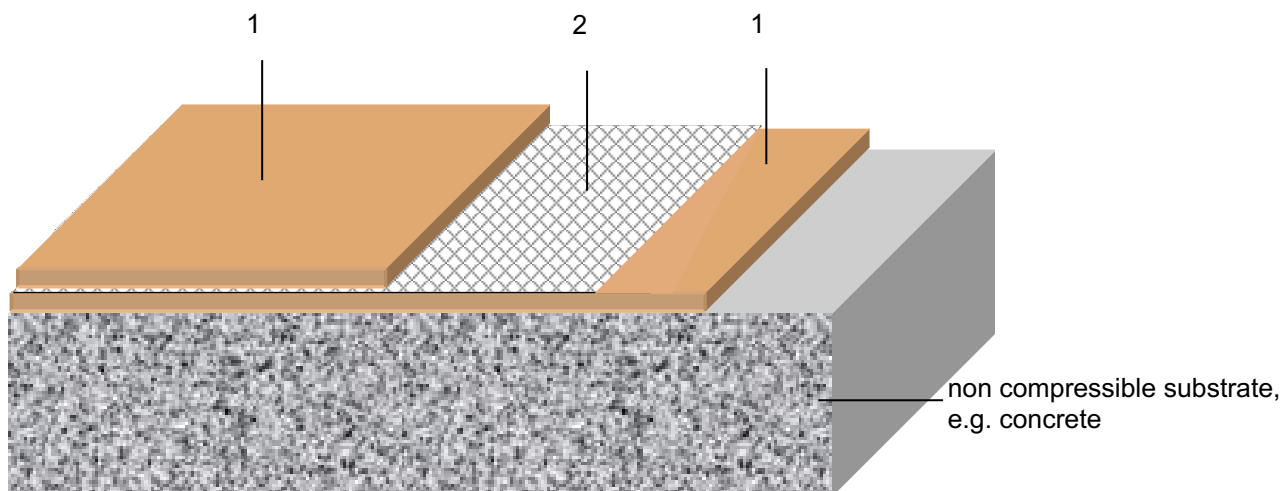
5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD

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 18 April 2024 by Deutsches Institut für Bautechnik

Jürgen Banzer
Head of Department (acting)

beglaubigt:
Hannoun



Components:

- 1 Waterproofing: liquid synthetic material
- 2 Polyester fleece with a nominal weight of 120 g/m²

Applicable to the roof waterproofing "**Inno MSP-Fluid 1K**"

Minimum layer thickness	2.0 mm
Minimum quantity consumed:	At least 3.0 kg/m ²
<u>Levels of use categories according to ETAG 005 with relation to:</u>	
Working life:	W3 (25 years)
Climatic zones	M and S (moderate and severe climatic)
Resistance to mechanical damage (perforation) (non-compressible substrates)	P1 to P4 (from low to high)
Roof slope	S1 to S4 (all slopes)
Lowest surface temperature	TL4 (-30 °C)
Highest surface temperature	TH3 (+80 °C)
<u>Performance of the product:</u>	
External fire performance	EN 13501-5 Class F _{ROOF}
Reaction to fire	EN 13501-1 Class E
Water vapour diffusion resistance factor μ (23°C – 0/75% RH)	$\mu \approx 1650$
Watertightness	Passed
Resistance to plant roots	No performance assessed
Resistance to wind loads	≥ 50 kPa
Resistance to slipperiness	No performance assessed

Inno MSP-Fluid 1K
IAT Injektions- und Abdichtungstechnik GmbH

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

Inno MSP-Fluid 1K IAT Injektions- und Abdichtungstechnik GmbH	Annex B
Intended use Specifications for the installation	