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European Technical Assessment

ETA-25/0354 of 17.02.2026

General part

Technical Assessment Body issuing the European Technical Assessment	Österreichisches Institut für Bautechnik (OIB) Austrian Institute of Construction Engineering
Trade name of the construction product	fischer Panel Bond SI
Product family to which the construction product belongs	Adhesive for wall cladding
Manufacturer	fischerwerke GmbH & Co. KG Klaus-Fischer-Straße 1 72178 Waldachtal GERMANY
Manufacturing plants	fischerwerke GmbH & Co. KG
This European Technical Assessment contains	7 pages including 2 Annexes
This European Technical Assessment is issued in accordance with Article 95(4) of Regulation (EU) 2024/3110, on the basis of	European Assessment Document (EAD) 250005-00-0606 “Adhesives for wall cladding”

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This European Technical Assessment may be withdrawn by the issuing Technical Assessment Body, in particular pursuant to information by the Commission in accordance with Article 25(3) of Regulation (EU) No 305/2011.

Specific part

1. Description of the product

The adhesive fischer Panel Bond SI is a black, one component silicone-based adhesive intended to be used to bond cladding panel products made of wood, wood-based materials, plastics, metals and mineral materials onto a metal substructure as defined in European Assessment Document (EAD) 250005-00-0606 “Adhesive for wall cladding”.

Ancillary products to be used:
Distance tape: fischer Panel Bond Tape
Cleaning agent for substrates: fischer Cleanprimer SI

Design characteristics	Values
Thickness of adhesive bead	e = 3.0 mm
Width of adhesive bead	b ≥ 12.0 mm
Design tensile strength value	σ_{des} = 0.21 MPa
Design static shear stress value	$\tau_{c,d}$ = 0.03 MPa
Maximum displacement in dynamic shear	$\Delta_{s,d}$ = 1.5 mm

2. Information on the intended use of the construction product

2.1 Intended use

The adhesive fischer Panel Bond SI is intended to be used to bond wall cladding panels specified in the following Table onto aluminium alloy (mill finish or anodised) supporting frames according to EN 573-3 in ventilated façades.

Type of cladding material	Technical specification
Ceramic tiles	EN 14411
HPL boards	EN 438-7
Ceramic multilayer slab boards (glass fibre mesh reinforcement on the back)	EAD 090078-00-0504
Thin metal composite sheets (with aluminium alloy sheets faced skins)	EAD 210046-00-1201
Compressed mineral wool boards (pre-fabricated) with organic or inorganic finish and with specified fastening system	EAD 090001-00-0404
Fibre-cement boards	EN 12467

The assessment of the panels for the use as external wall cladding elements is not covered by this ETA or EAD 250005-00-0606. Each specific type of cladding material shall be verified by means of the peel test according to EAD 250005-00-0606.

2.2 Working life/Durability

The provisions made in this European Technical Assessment (ETA) are based on an assumed intended working life of at least 25 years, provided that the conditions for the packaging, transport, storage and installation as well as appropriate use, maintenance and repair are met.

The indications given as to the working life cannot be interpreted as a guarantee given by the manufacturer or the TAB, but should only be regarded as a means for choosing the appropriate products in relation to the expected economically reasonable working life of the works.

3. Essential characteristics of the product

3.1 Safety in case of fire (BWR 2)

3.1.1 Reaction to fire

fischer Panel Bond SI is class E according EN 13501-1.

3.2 Hygiene, health and the environment (BWR 3)

3.2.1 Content, emission and/or release of dangerous substances

No performance assessed.

3.3 Safety and accessibility in use (BWR 4)

3.3.1 Properties and characteristics of fischer Panel Bond SI

Properties & Characteristics		fischer Panel Bond SI
Tensile stress and elongation at normal temperature (NT)	+23°C	X_m = 1.55 MPa [2)] $R_{u,5}$ = 1.46 MPa [1)] C_r = 100% [3)]
Tensile stress and elongation at low temperature (LT)	-20°C	X_m = 1.93 MPa [2)] $\Delta X_{m,lt}$ = 1.25 C_r = 100% [3)]
Tensile stress and elongation at high temperature (HT)	+80°C	X_m = 1.31 MPa [2)] $\Delta X_{m,ht}$ = 0.85 C_r = 100% [3)]
Residual mechanical resistance of the glued connexion		
Tensile stress after ageing under high temperature and high humidity and NaCl atmosphere (HT + HRH)		X_m = 1.13 MPa [2)] ΔX_m = 0.73 C_r = 100% [3)]
Shear stress and shear displacement at normal temperature (NT)		No performance assessed
Tensile stress after immersion in water (H_2O)		X_m = 1.38 MPa [2)] ΔX_m = 0.89 C_r = 90% [3)]
Tensile stress after ageing under high humidity and NaCl atmosphere (HRH + NaCl)		X_m = 1.31 MPa [2)] ΔX_m = 0.85 C_r = 100% [3)]
Tensile stress after ageing under high humidity and SO_2 atmosphere (HRH + SO_2)		X_m = 1.42 MPa [2)] ΔX_m = 0.92 C_r = 100% [3)]
Tensile stress after cyclic tensile loads (CLT)		X_m = 1.57 MPa [2)] ΔX_m = 1.01 C_r = 100% [3)]
Tensile stress after cyclic shear loads (CST)		X_m = 1.50 MPa [2)] ΔX_m = 0,97 C_r = 100% [3)] $S_{t,c}$ = 0.14 [2)]
Shear creep and climatic ageing		$S_{t,v}$ = 0.18 mm [2)]
Tear resistance (TR)		X_m = 1.62 MPa [2)] ΔX_m = 1.05 C_r = 100% [3)]

1) characteristic value c is giving 75 % confidence that 95 % of the test results will be higher than this value
2) m = mean value
3) cohesive rupture in the adhesive

The assessment has been made in accordance with EAD 250005-00-0606.

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

4.1 AVCP system

According to Decision 99/470/EC of the European Commission, amended by the Decision 2001/596/EC of the European Commission the system 2+ of assessment and verification of constancy of performance applies (see Annex V to regulation (EU) No 305/2011).

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 the Technical Assessment Body Österreichisches Institut für Bautechnik.

For type testing the results of the tests performed as part of the assessment for the European Technical Assessment shall be used unless there are changes in the production line or plant. In such cases the necessary type testing has to be agreed between Österreichisches Institut für Bautechnik and the notified body.

Issued in Vienna on 17.02.2026
by Österreichisches Institut für Bautechnik

The original document is signed by

Thomas Rockenschaub
Managing Director

Member of EOTA

Annex 1

Characteristics of fischer Panel Bond SI

Characteristics	Performance
Shrinkage	ΔV = -3.2% [1)]
Specific mass (density)	1.45 g/cm³ ± 10%
Effects of materials in contact	$R_{R,c}$ = 1.12 C_r = 84% [3)] no discolouration has been observed
Tensile elastic modulus $E_{secant\ (0.5\%\text{-}1.0\%)}$	2.44 ± 0,5 MPa
Flow resistance	no flow
Shore hardness (scale A)	≥ 42
Thermogravimetric analysis	according to the curve obtained in the tests
Colour measurement (colorimetry)	Black (L = 26,90; a = -0,2; b = -1,1)

[1)] indicate a decrease of volume
[2)] characteristic value giving 75% confidence that 95% of test results will be higher than this value
[3)] cohesive rupture in the adhesive

Information on the intended use of the construction product

The adhesive fischer Panel Bond SI is intended to be used to bond wall cladding panels specified in the following Table onto aluminium alloy (uncoated or coated) supporting frames according to EN 573-3:2019 in ventilated façades. The system can be used from -20°C to +80°C, based on EAD. Additional panels shall be approved in consultation with the manufacturer.

Cladding materials

Cladding material	Manufacturer	Type	Primer
Ceramics	Cosentino	Dekton	fischer Cleanprimer SI
HPL	Trespa	Meteon	fischer Cleanprimer SI
Metal Composite	Mitshubishi	Alpolic	fischer Cleanprimer SI

Subframe materials

Subframe material	Specification	Primer
Aluminum uncoated	EN AW 6063 T66	fischer Cleanprimer SI
HPL	EN AW 6063 T66 - E6 / C-35 black	fischer Cleanprimer SI

The assessment of the panels for the use as external wall cladding elements is not covered by this ETA or EAD 250005-00-0606.

Annex 2

A2.1 Manufacturing

The European Technical Assessment is issued for the product on the basis of agreed data/information, deposited with the Österreichisches Institut für Bautechnik, which identifies the product that has been assessed. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to the Österreichisches Institut für Bautechnik before the changes are introduced.

The Österreichisches Institut für Bautechnik will decide whether or not such changes affect the European Technical Assessment and if so whether further assessment or alterations to the European Technical Assessment, shall be necessary.

All specific provisions of fischer Panel Bond SI about e. g. storage, transportation, installation, working time, etc. shall be taken to the technical literature of the manufacturer.

A2.2 Design, installation, maintenance and repair

A2.2.1 Design of the external wall cladding

The verification of the minimum dimensions of the adhesive bead, bead length and minimum number of beads by each cladding panel shall be designed by means of calculation, considering the design characteristics given in paragraph 1 of this ETA. National safety factors, other national provisions and specific provisions given by adhesive manufacturer shall be taken into account.

The verification of the adherence on the specific materials (cladding panels and subframe profiles) to be used on-site shall be assessed by means of a peel test according to EAD 250005-00-0606.

Construction details regarding drainage and ventilation provisions:
Water stagnation is not allowed in the vicinity of the adhesive bead.
Therefore, the bonded cladding shall be designed with an efficient drainage and ventilation.

The first layer behind ventilated air space (e.g. insulation layer) should be composed by materials with low water absorption.

A2.4.2 Installation

The Installation shall be carried out by appropriately trained, qualified personnel, under the supervision of the person responsible for technical matters of the site and the provisions of the manufacturer given in its technical literature. Product shelf life and storage conditions shall be respected.

The Installation shall be executed in temperature from +5°C to +35°C and shall be carried out according to manufacturer's specification and using the components specified in ETA.

A2.4.3 Maintenance and repair

Maintenance of the external wall claddings using fischer Panel Bond SI includes inspections on-site, appearance of any damage as cracking, detachment, delamination, mould presence, corrosion presence or water accumulation due to permanent moisture or permanent irreversible deformation.

Repair to localized damaged areas shall be carried out with the same components and following the repair instructions given by the manufacturer.

A2.4.4 Responsibility of the manufacturer

It is the responsibility of the ETA holder to ensure that the information on the related component requirements, their fabrication and setting is given to the person concerned. This information may be made by reproduction of the relevant parts of the European technical assessment.