EAD **090062-01-0404-v01**

www.eota.eu

May 2025

European Assessment Document for

Variant: Kits for external wall claddings mechanically fixed – Extension of scope

This European Assessment Document (EAD) has been developed taking into account up-to-date technical and scientific knowledge at the time of issue and is published in accordance with the relevant provisions of Regulation (EU) No 305/2011 as a basis for the preparation and issuing of European Technical Assessments (ETA).

Contents

1 SCOPE OF THE EAD

1.1 Description of the construction product

EAD 090062-01-0404 applies.

1.1.1 Cladding elements

EAD 090062-01-0404 applies with the following extension:

This EAD is a variant to EAD 090062-01-0404. This variant extends the scope of the EAD with regard to the cladding elements to include cladding elements made of clay as a material for brick slips in accordance with EN 771-1[1] and EAD 170005-00-0305. Thus, table 1.1.1.1 of EAD 090062-01-0404 applies with the following extension:

Table 1.1.1.1 Cladding elements materials and associated product technical specifications

Cladding element materials	Associated product technical specifications	
	Harmonised technical specifications	Others
Wood based	EN 13986; EN 14915	---
Metal	EN 14782; EN 14783	---
Natural stone (*)	EN 1469; EN 12057; EN 12326-1	---
Agglomerated stone	EN 15286	---
HPL laminates	EN 438-7	---
Fibre-cement	EN 12467; EN 492; EN 494	---
Concrete	EN 490; EN 14992	EN 15191
Terra cotta or ceramic	EN 1304; EN 14411	---
Clay	EN 771-1, EAD 170005-00-0305	
Plastic	EN 16153; EN 1013; EN 13245-2; EN 16240	---
Cement bonded board Cement bonded particle board	EAD 210024-00-0504	EN 634-1; EN 634-2
Thin Metallic Composite Sheets (TMCS)	EAD 210046-00-1201	---
Wood-polymer composites (WPC) or natural fibre composites (NFC)	---	EN 15534-5
(*) For cladding kits family B with undercut anchors (fasteners) covered by the EAD 330030-00-0601, see also the information given in Table 1.1 of EAD 330030-00-0601.		

1.1.2 Cladding fixings

EAD 090062-01-0404 applies.

1.1.3 Subframe

EAD 090062-01-0404 applies.

1.1.4 Thermal insulation layer (optional)

EAD 090062-01-0404 applies.

1.1.5 Ancillary components (optional)

EAD 090062-01-0404 applies.

1.2 Information on the intended use(s) of the construction product

1.2.1 Intended use(s)

EAD 090062-01-0404 applies.

1.2.2 Working life/Durability

EAD 090062-01-0404 applies.

1.3 Specific terms used in this EAD

EAD 090062-01-0404 applies.

2 ESSENTIAL CHARACTERISTICS AND RELEVANT ASSESSMENT METHODS AND CRITERIA

2.1 Essential characteristics of the product

Table 2.1.1 shows how the performance of the kits for external wall claddings with laminated multilayer composite rigid cladding elements is assessed in relation to the essential characteristics.

Table 2.1.1 Essential characteristics of the product and methods and criteria for assessing the performance of the product in relation to those essential characteristics

No	Essential characteristic	Assessment method	Type of expression of product performance
Basic Works Requirement 2: Safety in case of fire			
1	Reaction to fire	EAD 090062-01-0404, clause 2.2.1	Class
2	Façade fire performance	EAD 090062-01-0404, clause 2.2.2	Description / Class / Level (as relevant)
3	Propensity to undergo continuous smouldering	EAD 090062-01-0404, clause 2.2.3	Description
Basic Works Requirement 3: Hygiene, health and the environment			
4	Watertightness of joints (protection against driving rain)	EAD 090062-01-0404, clause 2.2.4	Description (for open joints) Level (for closed joints)
5	Water absorption	EAD 090062-01-0404, clause 2.2.5	Level
6	Water vapour permeability (for non-ventilated façades)	EAD 090062-01-0404, clause 2.2.6	Level
7	Drainability	EAD 090062-01-0404, clause 2.2.7	Description
8	Content, emission and/or release of dangerous substances	EAD 090062-01-0404, clause 2.2.8	Description
Basic Works Requirement 4: Safety and accessibility in use			
9	Wind load resistance	EAD 090062-01-0404, clause 2.2.9	Level
10	Resistance to horizontal point loads	EAD 090062-01-0404, clause 2.2.10	Description
11	Impact resistance	EAD 090062-01-0404, clause 2.2.11	Description
12 to 15	Mechanical resistance (*). Cladding elements (see Table 2.1.2)	EAD 090062-01-0404, clause 2.2.12.1 to 2.2.12.4	Level
16 to 21	Mechanical resistance (*). Connexion between the cladding elements and the cladding fixings (see Table 2.1.2)	EAD 090062-01-0404, clause 2.2.12.5 to 2.2.12.10	Level
22 to 24	Mechanical resistance (*). Cladding fixings (see Table 2.1.2)	EAD 090062-01-0404, clause 2.2.12.11 to 2.2.12.13	Level
25	Resistance of profiles (*)	EAD 090062-01-0404, clause 2.2.12.14	Description
26	Tension/pull-out resistance of subframe fixings (*)	EAD 090062-01-0404, clause 2.2.12.15	Level
27	Shear load resistance of subframe fixings (*)	EAD 090062-01-0404, clause 2.2.12.16	Level

No	Essential characteristic	Assessment method	Type of expression of product performance
28	Brackets resistance (horizontal and vertical load) (*)	EAD 090062-01-0404, clause 2.2.12.17	Level
29	Resistance to seismic loads. Out-of-plane fundamental vibration period	EAD 090062-01-0404, clause 2.2.13.1	Level
30	Resistance to seismic loads. Out-of-plane acceleration	EAD 090062-01-0404, clause 2.2.13.2	Level
31	Resistance to seismic loads. In-plane displacement	EAD 090062-01-0404, clause 2.2.13.3	Level
Basic Works Requirement 5: Protection against noise			
32	Airborne sound insulation	EAD 090062-01-0404, clause 2.2.14	Level
Basic Works Requirement 6: Energy economy and heat retention			
33	Thermal resistance	EAD 090062-01-0404, clause 2.2.15	Level
Aspects of durability (**)			
34	Hygrothermal behaviour	EAD 090062-01-0404, clause 2.2.16.1	Description
35	Behaviour after pulsating load	EAD 090062-01-0404, clause 2.2.16.2	Level
36	Freeze-thaw resistance	EAD 090062-01-0404, clause 2.2.16.3	Level
37	Behaviour after immersion in water	EAD 090062-01-0404, clause 2.2.16.4	Level
38	Dimensional stability by humidity	EAD 090062-01-0404, clause 2.2.16.5.1	Level
39	Linear thermal expansion	EAD 090062-01-0404, clause 2.2.16.5.2	Level
40	Chemical and biological resistance	EAD 090062-01-0404, clause 2.2.16.6	Level
41	UV radiation resistance	EAD 090062-01-0404, clause 2.2.16.7	Level
42	Corrosion	EAD 090062-01-0404, clause 2.2.16.8	Description
43 to 55	Accelerated ageing behaviour of kits when the cladding element is made of thin metallic composite sheets/panels (TMCS/TMCP) (see Table 2.1.3)	EAD 090062-01-0404, clause 2.2.16.9**Error! Reference source not found.**	Level
(*) Mechanical resistance of the kit is assessed by means of the mechanical characteristics of the relevant kit components and their connexions. See clause 2.2.12. (**) Durability of the kit is assessed by means of relevant component durability, where relevant. See clause 2.2.16.			

Table 2.1.2 Mechanical resistance of the components in relation with the applicable kit family as of the Table 1.1.1 of EAD 090062-01-0404.

No	Essential characteristic	Assessment method	Applicable to kit family *(it is marked with X when is applicable)*							
			A	**B**	**C**	**D**	**E**	**F**	**G**	**H**
12	Bending strength	EAD 090062-01-0404, clause 2.2.12.1	X	X	X	X	X	X	X	X
13	Resistance of grooves	EAD 090062-01-0404, clause 2.2.12.2	---	---	X	X	---	---	---	---
14	Resistance at dowel holes	EAD 090062-01-0404, clause 2.2.12.3	---	---	X	---	---	---	---	---
15	Resistance to long term or permanent dead load (Creep test) (*)	EAD 090062-01-0404, clause 2.2.12.4	X	X	X	X	X	X	X	X
16	Pull-through resistance	EAD 090062-01-0404, clause 2.2.12.5	X	---	---	X	X	---	---	---
17	Pull-through resistance under shear loads	EAD 090062-01-0404, clause 2.2.12.6	X	---	---	X	X	---	---	---
18	Axial tension resistance	EAD 090062-01-0404, clause 2.2.12.7	---	X	---	---	---	---	---	---
19	Shear load resistance	EAD 090062-01-0404, clause 2.2.12.8	---	X	---	---	---	---	---	---
20	Combined tension and shear load resistance (**)	EAD 090062-01-0404, clause 2.2.12.9	X	X	---	X	X	---	---	---
21	Resistance of slot	EAD 090062-01-0404, clause 2.2.12.10	---	---	---	---	---	---	X	---
22	Resistance to vertical load	EAD 090062-01-0404, clause 2.2.12.11	---	---	X	---	---	X	---	X
23	Pull-through resistance of fixings from profile	EAD 090062-01-0404, clause 2.2.12.12	---	X	X	---	---	X	---	X
24	Resistance of punctual cladding fixings	EAD 090062-01-0404, clause 2.2.12.13	---	---	X	---	---	X	---	X

(*) Only relevant for cladding kits which contain horizontal or sloped surfaces for the use in external ceilings or cornices (not roofs).
(**) Only relevant for cladding kits which contain sloped surfaces for the use of external walls, ceilings, or cornices (not roofs).

2.2 Methods and criteria for assessing the performance of the product in relation to essential characteristics of the product

Clauses 2.2.1 to 2.2.16 of EAD 090062-01-0404 applies.

3 ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

3.1 System(s) of assessment and verification of constancy of performance to be applied

EAD 090062-01-0404 applies.

3.2 Tasks of the manufacturer

EAD 090062-01-0404 applies.

3.3 Tasks of the notified body

EAD 090062-01-0404 applies.

4 REFERENCE DOCUMENTS

EAD 090062-01-0404 applies with the following extension:

EN 771-1:2011+A1:2015	Specification for masonry units – Part 1: Clay masonry units
EAD 170005-00-0305	Re-cycled clay masonry units

ANNEX A: WATER ABSORPTION AND BENDING STRENGTH TEST METHODS BY CLADDING ELEMENT MATERIALS

090062-01-0404 applies.

ANNEX B: REACTION TO FIRE

090062-01-0404 applies.

ANNEX C: MOUNTING AND FIXING PROVISIONS FOR SBI TEST (EN 13823) AND SINGLE-FLAME SOURCE TEST (EN ISO 11925-2)

090062-01-0404 applies.

ANNEX D: ADDITIONAL CRITERIA FOR WATERTIGHTNESS TESTS

090062-01-0404 applies.

ANNEX E: WIND LOAD RESISTANCE ASSESSMENT

090062-01-0404 applies.

ANNEX F: RESISTANCE TO HORIZONTAL POINT LOAD

090062-01-0404 applies.

ANNEX G: IMPACT RESISTANCE TEST

090062-01-0404 applies.

ANNEX H: MECHANICAL RESISTANCE OF THE CLADDING ELEMENT

090062-01-0404 applies.

ANNEX I: MECHANICAL RESISTANCE OF THE CONNEXION BETWEEN THE CLADDING ELEMENT AND THE CLADDING FIXING

090062-01-0404 applies.

ANNEX J: MECHANICAL RESISTANCE OF THE CLADDING FIXING

090062-01-0404 applies.

ANNEX K: MECHANICAL RESISTANCE OF SUBFRAME FIXINGS

090062-01-0404 applies.

ANNEX L: RESISTANCE OF BRACKETS (HORIZONTAL AND VERTICAL LOAD)

090062-01-0404 applies.

ANNEX M: DURABILITY

090062-01-0404 applies.

ANNEX N: TEST RESULTS STATISTICAL DESCRIPTION

090062-01-0404 applies.

ANNEX P: ADDITIONAL PROVISIONS FOR DETERMINATION THE CHARACTERISTIC PROPENSITY TO UNDERGO CONTINUOUS SMOULDERING

090062-01-0404 applies.

ANNEX Q: ASSESSMENT METHODS APPLIED IN EU/EFTA MEMBER STATES FOR ASSESSING THE FIRE PERFORMANCE OF FACADES

090062-01-0404 applies.

ANNEX R: RESISTANCE TO SEISMIC LOADS

090062-01-0404 applies.