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Authorised and notified according  
to Article 29 of the Regulation (EU)  
No 305/2011 of the European  
Parliament and of the Council of 9  
March 2011

MEMBER OF EOTA



## European Technical Assessment ETA-25/0710 of 2025/09/23

### I General Part

#### Technical Assessment Body issuing the ETA and designated according to Article 29 of the Regulation (EU) No 305/2011: ETA-Danmark A/S

Trade name of the  
construction product:

m.look - for use as cladding kit with TUF-S fasteners

Product family to which the  
above construction product  
belongs:

External wall cladding with hidden fasteners

Manufacturer:

FunderMax GmbH  
Klagenfurter Straße 87-89  
AT-9300 St. Veit an der Glan  
Telephone: 0043 59 4940  
Internet: [www.fundermax.com](http://www.fundermax.com)

Manufacturing plant:

FunderMax GmbH  
IZ-NÖ-Süd Straße 3  
AT-2355 Wiener Neudorf

This European Technical  
Assessment contains:

12 pages including 2 annexes which form an integral  
part of the document

This European Technical  
Assessment is issued in  
accordance with Regulation  
(EU) No 305/2011, on the  
basis of:

EAD 090062-01-0404 – Kits for external wall claddings  
mechanically fixed.

This version replaces:

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## II SPECIFIC PART OF THE EUROPEAN TECHNICAL ASSESSMENT

### 1 Technical description of product

The Fundermax m.look is an architectural facade panel with a reinforced glass fibre, non-combustible mineral core. The panels are covered with UV-resistant decorative layers of melamine resin impregnated decorative papers and a polyurethane acrylic paint layer on both sides (weather protection film – surface type NT).

The maximum panel format is 3670 x 1630 mm. The facade panels should be used in portrait or landscape format. The panels are manufactured in accordance with EN 438-6 (manufacture of HPL panels):

#### Thickness:

9,0 mm

Tolerance: +0,8/-0,5 mm

#### Weight:

9 mm panels: 16,2 (+2/-1) kg/m<sup>2</sup>

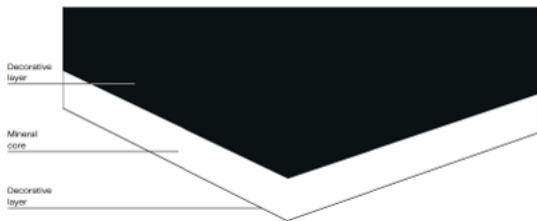


Figure 1: m.look façade panel

The brackets are mounted on the rear side of the m.look Exterior facade panels with special blind fasteners into the prepared mounting drill holes, the façade panels are mechanically attached to the substructure using the TUF-S-6xL (ETA 15/0476) special anchor made of stainless steel, more information in table 1.

The panels provided with brackets are hung in the suspension profiles mounted on the substructure, their height is adjusted, and they are secured against lateral movement.

The face to which the system is fixed should be flat, vertical and capable of supporting appropriate loads.

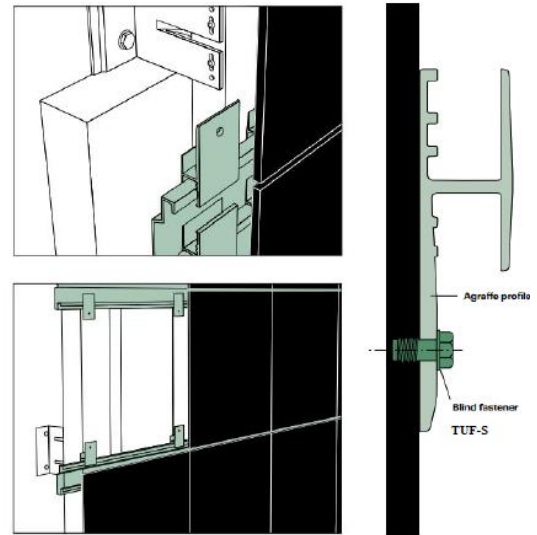


Figure 2: Fundermax m.look

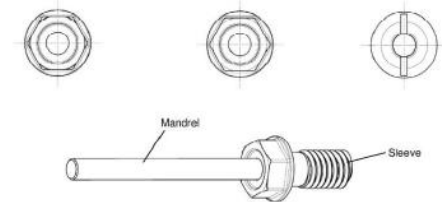


Table 1	
Anchor parts	Material
Sleeve	Stainless steel A4
Mandrel	Carbon steel zinc

Figure 3: TUF-S-6xL fastener

Anchors from 2 mm up to 5 mm material thickness can be used. The maximum drill depth is 6 mm. Please note that the residual wall thickness between the drill hole and the front of the panel must be at least 2 mm after deducting all tolerances.

The brackets can be attached at the facade builder's or on the construction site using a commercial riveting machine.

Fastener	Clamp thickness [mm]	Drill depth [mm]	Panel thickness [mm]
TUF-S-6x8-A4	2	6	9
TUF-S-6x8,5-A4	2.5	6	9
TUF-S-6x9-A4	3	6	9
TUF-S-6x10-A4	4	6	9
TUF-S-6x11-A4	5	6	9

Table 1: Fasteners used to fix the façade panel to metal substructures.

Supports are required at 800 mm maximum. The minimum edge distance is 40 mm, and the maximum edge distance is 80 mm.

In a soffit situation the engineer should specify the substructure and number of fixings required based on the weight of the system and any other requirements e.g., wind loads.

### **Joints**

The joints between the façade panels may be open (width of the open joints  $\geq 8$  mm) or closed with joint profiles in a non-restrained construction.

### **Rear Ventilation**

The cladding kit must be used in ventilated facades. Ventilation and drainage must be provided behind the system. The clear cavity between the back of the panel and substrate wall (or insulation if installed within the cavity) must be at least 20 mm wide, to ensure that a minimum ventilation area of 200 cm<sup>2</sup>/m of the façade cladding is achieved.

The distance may be reduced locally to 5 mm, e.g. due to the substructure or uneven walls.

All ventilation openings around the periphery of the system can be suitably protected with mesh to prevent the ingress of birds, vermin and insects. Inlet and outlet openings must have a free cross-section of at least 150 cm<sup>2</sup>/m.

### **Substructure**

The substructure must be designed so that a tension-free fastening of m.look Exterior panels is ensured.

The substructure must meet the requirements of the national standards and must be assembled in accordance with the specifications of the manufacturer of the substructure.

Thermal insulation used with the system must consist of non-combustible mineral wool insulation panels in accordance with EN 13162, which must be attached to the structure independently of the substructure.

## **2 Specification of the intended use(s) in accordance with the applicable European Assessment Document (hereinafter EAD)**

The FunderMax m.look cladding system is intended for use as protective and decorative cladding on external walls of domestic and non-domestic buildings of masonry or concrete, above the damp-proof course (dpc) level.

The system transfers its self-weight and design wind loads through the supporting subframe to the substrate wall. The substrate wall and supporting subframe must be capable of resisting the associated loads.

The façade kit is assessed as a kit family B in accordance with EAD 090062-01-0404.

The fire classification, **Euroclass A2-s1, d0** in accordance with EN 13501-1 and Delegated Regulation 2016/364 (table 3) is based on an application area where the panel can either be mounted directly on substructure, with a specific rear ventilation gap width to the substructure or free standing. Mineral wool insulation (density 30 kg/m<sup>3</sup> - 70 kg/m<sup>3</sup>, melting point > 1000 °C) must be used as insulation.

The verification and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of at least 25 years, provided the cladding kit are subject to an appropriate use according to the provisions of this assessment.

The indications given on the working life cannot be interpreted as a guarantee given by the manufacturer but are to be regarded only as a means for choosing the right product in relation to the expected economically reasonable working life of the works.

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

Characteristic	Assessment of characteristic									
<b>3.2 Safety in case of fire (BWR 2)</b>										
Reaction to fire	The m.look cladding system is classified as <b>Euroclass A2-s1, d0</b> in accordance with EN 13501-1 and Delegated Regulation 2016/364.									
Façade fire performance	<b>No performance assessed</b>									
Propensity to undergo continuous smoldering	<b>Not relevant</b>									
<b>3.3 Hygiene, health and the environment (BWR 3)</b>										
Watertightness of joints (protection against driving rain)	<b>Not watertight, open joints</b>									
Water absorption (for non-ventilated facades)	<b>Not relevant</b>									
Water vapour permeability (for non-ventilated facades)	<b>Not relevant</b>									
Drainability	<b>Drainable</b>									
Content, emission and/or release of dangerous substances	<b>No performance assessed</b>									
<b>3.4 Safety and accessibility in use (BWR 4)</b>										
Wind load resistance	<table><tr><td>Thickness</td><td>Wind load resistance, Q [kN/m²]</td></tr><tr><td>9 mm</td><td><b>3,51</b></td></tr></table>	Thickness	Wind load resistance, Q [kN/m²]	9 mm	<b>3,51</b>					
Thickness	Wind load resistance, Q [kN/m²]									
9 mm	<b>3,51</b>									
Resistance to horizontal point loads	<b>No damage</b>									
Impact resistance	<b>Use category: 9 mm, Category I</b> <b>Impact resistance was tested with a hard body impact of 1-10 J, soft body with 10-400 J</b>									
Bending strength	<table><tr><td>Thickness</td><td>Mean value [N/mm²]</td><td>Characteristic value [N/mm²]</td></tr><tr><td>9 mm standard climate</td><td><b>61,64</b></td><td><b>54,88</b></td></tr><tr><td>9 mm - 20°C</td><td><b>64,02</b></td><td><b>58,16</b></td></tr></table>	Thickness	Mean value [N/mm²]	Characteristic value [N/mm²]	9 mm standard climate	<b>61,64</b>	<b>54,88</b>	9 mm - 20°C	<b>64,02</b>	<b>58,16</b>
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9 mm standard climate	<b>61,64</b>	<b>54,88</b>								
9 mm - 20°C	<b>64,02</b>	<b>58,16</b>								
Resistance of grooved cladding element	<b>No performance assessed</b>									
Resistance at dowel hole	<b>No performance assessed</b>									
Creep test <sup>1</sup>	<b>Not relevant</b>									
Pull-through resistance	<b>Not relevant</b>									

Characteristic	Assessment of characteristic																																					
Pull-through resistance under shear loads	Not relevant																																					
Axial tension resistance	<table><tr><th colspan="6">Axial Tension Resistance</th></tr><tr><th>Panel Thickness</th><th>Clamp Thickness</th><th>Clamp Form</th><th>Clamp Distance</th><th>F<sub>u,m</sub></th><th>F<sub>u,c</sub></th></tr><tr><td rowspan="6">9 mm</td><td rowspan="3">2 mm</td><td>single clamp</td><td>-</td><td>673</td><td>557</td></tr><tr><td rowspan="2">double clamp</td><td>20 mm</td><td>1237</td><td>1077</td></tr><tr><td>40 mm</td><td>1281</td><td>1026</td></tr><tr><td rowspan="3">5 mm</td><td>single clamp</td><td>-</td><td>865</td><td>736</td></tr><tr><td rowspan="2">double clamp</td><td>20 mm</td><td>1315</td><td>1186</td></tr><tr><td>40 mm</td><td>1363</td><td>1016</td></tr></table>	Axial Tension Resistance						Panel Thickness	Clamp Thickness	Clamp Form	Clamp Distance	F <sub>u,m</sub>	F <sub>u,c</sub>	9 mm	2 mm	single clamp	-	673	557	double clamp	20 mm	1237	1077	40 mm	1281	1026	5 mm	single clamp	-	865	736	double clamp	20 mm	1315	1186	40 mm	1363	1016
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Combined tension and shear load resistance	<table><tr><th colspan="6">Combined tension and shear load resistance</th></tr><tr><th>Panel Thickness</th><th>Clamp Thickness</th><th>Clamp Form</th><th>Load Angle</th><th>F<sub>u,m</sub></th><th>F<sub>u,c</sub></th></tr><tr><td rowspan="6">9 mm</td><td rowspan="4">2 mm</td><td rowspan="2">single clamp</td><td>30°</td><td>786</td><td>595</td></tr><tr><td>60°</td><td>944</td><td>813</td></tr><tr><td rowspan="2">double clamp</td><td>30°</td><td>1393</td><td>1308</td></tr><tr><td>60°</td><td>1559</td><td>1329</td></tr><tr><td rowspan="2">5 mm</td><td rowspan="2">single clamp</td><td>30°</td><td>918</td><td>708</td></tr><tr><td>60°</td><td>1098</td><td>786</td></tr></table>	Combined tension and shear load resistance						Panel Thickness	Clamp Thickness	Clamp Form	Load Angle	F <sub>u,m</sub>	F <sub>u,c</sub>	9 mm	2 mm	single clamp	30°	786	595	60°	944	813	double clamp	30°	1393	1308	60°	1559	1329	5 mm	single clamp	30°	918	708	60°	1098	786	
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Resistance of slot	Not relevant																																					
Resistance to vertical load	No performance assessed																																					
Pull-through resistance of fixings from profile	No performance assessed																																					
Resistance of punctual cladding fixings	Not relevant																																					
Resistance of metal clip	Not relevant																																					
Resistance of profiles	See information in annex B																																					
Subframe fixings, tension/pull-out resistance	No performance assessed																																					
Subframe fixings, shear load resistance	No performance assessed																																					

Characteristic	Assessment of characteristic																				
Bracket resistance (horizontal and vertical load)	No performance assessed																				
Resistance to seismic loads. Out-of-plane fundamental vibration period	No performance assessed																				
Resistance to seismic loads. Out-of-plane acceleration	No performance assessed																				
Resistance to seismic loads. In-plane resistance	No performance assessed																				
3.5 Protection against noise (BWR 5)																					
Airborne sound insulation	No performance assessed																				
3.6 Energy economy and heat retention (BWR 6)																					
Thermal resistance	No performance assessed																				
3.7 Durability																					
Hygrothermal behavior	No visual defects																				
Behavior after pulsating load	<table><tr><td></td><td>Before</td><td>After</td><td>Ratio</td></tr><tr><td>Pull through resistance</td><td>1330 N</td><td>1360 N</td><td>1,0</td></tr><tr><td>Axial tension resistance</td><td colspan="3">No performance assessed</td></tr><tr><td>Resistance of slot</td><td colspan="3">No performance assessed</td></tr><tr><td>Resistance of punctual cladding fixing</td><td colspan="3">No performance assessed</td></tr></table>		Before	After	Ratio	Pull through resistance	1330 N	1360 N	1,0	Axial tension resistance	No performance assessed			Resistance of slot	No performance assessed			Resistance of punctual cladding fixing	No performance assessed		
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Freeze-thaw resistance	<table><tr><td></td><td>Before</td><td>After</td><td>Ratio</td></tr><tr><td>Bending strength</td><td>45,53 MPa</td><td>30,01 MPa</td><td>0,66</td></tr></table>		Before	After	Ratio	Bending strength	45,53 MPa	30,01 MPa	0,66												
	Before	After	Ratio																		
Bending strength	45,53 MPa	30,01 MPa	0,66																		
Behavior after immersion in water	Not relevant																				
Dimensional stability – by humidity	<table><tr><td></td><td>High humidity lengthwise</td><td>High humidity crosswise</td></tr><tr><td colspan="3">Dimensional change [%]</td></tr><tr><td>9 mm</td><td>0,1</td><td>0,1</td></tr></table>		High humidity lengthwise	High humidity crosswise	Dimensional change [%]			9 mm	0,1	0,1											
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	Dry heat lengthwise	Dry heat crosswise																			
Dimensional change [%]																					
9 mm	- 0,1	- 0,2																			
Chemical and biological resistance	No performance assessed																				
UV radiation resistance	No changes																				
Corrosion	Not relevant																				

Characteristic	Assessment of characteristic
Accelerated ageing behavior of kit when the cladding element is made of thin metallic composite panels (TMCP)	Not relevant

<sup>1</sup> Only relevant for cladding kits which contain horizontal or sloped surfaces for the use in external ceilings or cornices (not roofs).

**3.8 Methods of verification**

The product is fully covered by EAD 090062-01-0404.  
According to the Regulation (EU) No 305/2011.

**3.9 General aspects related to the fitness for use of the product**

The European Technical Assessment is issued for the product based on agreed data/information, deposited with ETA-Danmark, which identifies the product that has been assessed and judged. Changes to the product or production process, which could result in this deposited data/information being incorrect, should be notified to ETA-Danmark before the changes are introduced. ETA-Danmark will decide if such changes affect the ETA and consequently the validity of the CE marking based on the ETA and if so whether further assessment or alterations to the ETA, shall be necessary.

The FunderMax m.look cladding system is manufactured in accordance with the provisions of this European Technical Assessment using the manufacturing processes as identified in the inspection of the plant by the notified inspection body and laid down in the technical documentation.



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

##### **4.1 AVCP system**

According to the decision 2003/640/EC of the European Commission, as amended by 2001/596/EC, the system(s) of assessment and verification of constancy of performance (see Annex III to Regulation (EU) No 305/2011) is 2+.

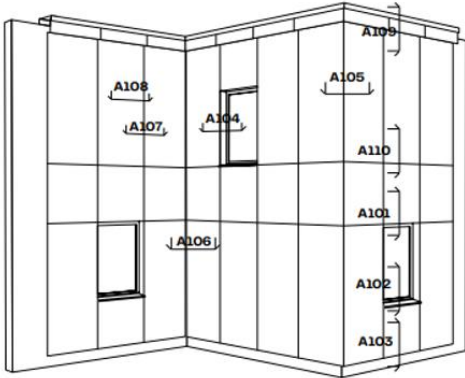
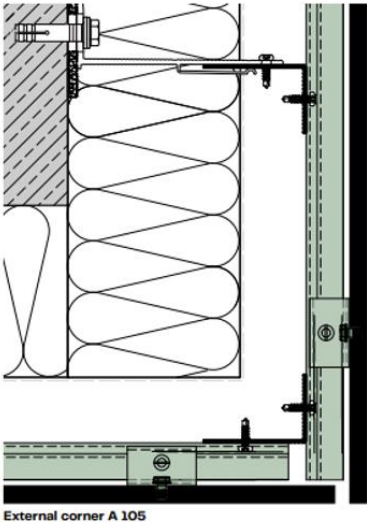
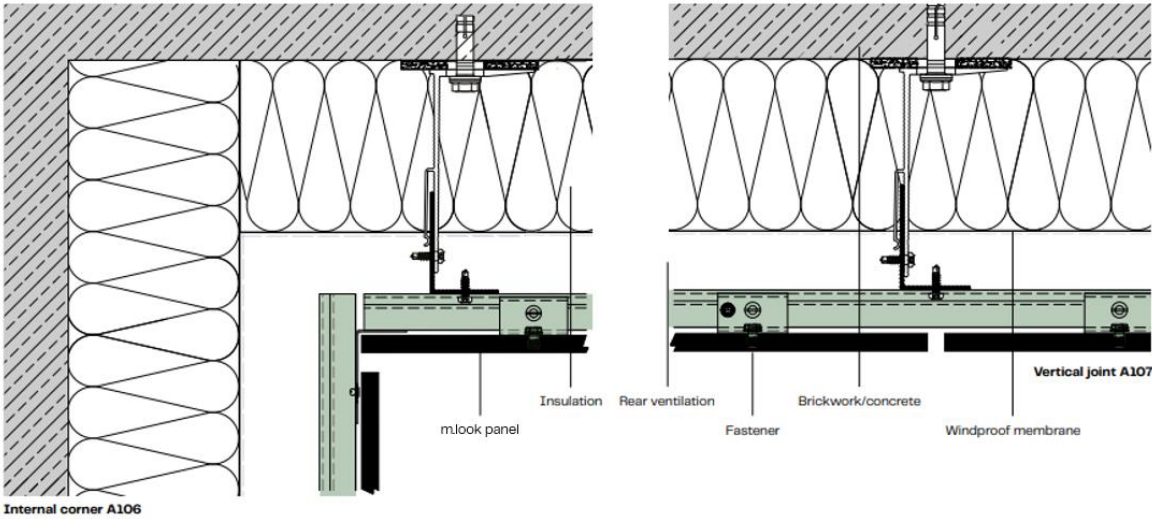
#### **5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable EAD.**

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited at ETA-Danmark prior to CE marking.

Issued in Copenhagen on 2025-09-23 by



Thomas Bruun  
Managing Director, ETA-Danmark

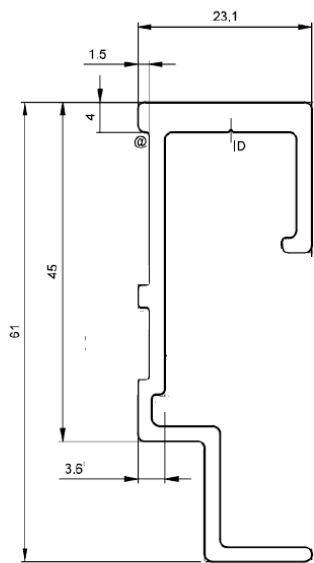


m.look	Annex A1
Construction details horizontal cross section	



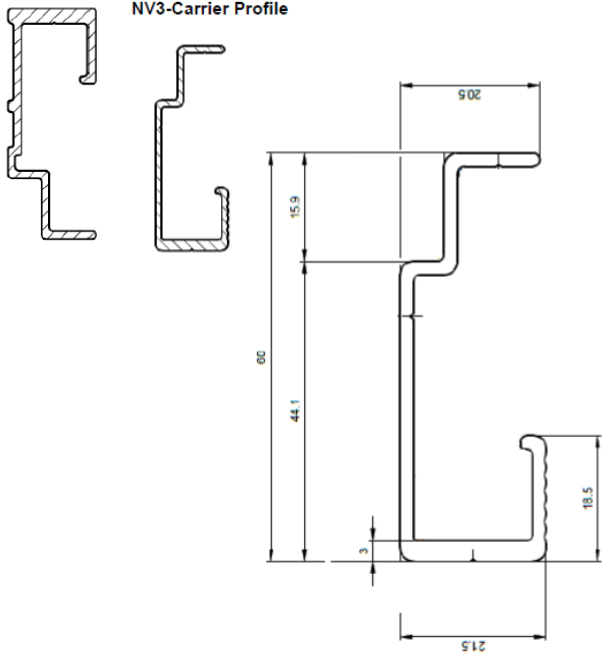
m.look	Annex A3
Construction details vertical cross section	

NV3-Agraffe



Material: EN AW-6005A T6

NV3-Carrier Profile



Material: EN AW-6005A T6

m.look	Annex B
Resistance of profiles	