



Institute for Testing and Certification
Zlín, Czech Republic – www.itczlin.cz

CERTIFICATE

No. 17 0465 T/ITC

confirms that the product
ASD compact laminate panels for internal wall and ceiling finishes,
type: HPL-CGS t $\geq$ 6 mm

of the applicant

ASD ORMAN ÜRÜNLERİ PAZ. SAN. VE TİC.A.Ş.

Yeşilköy mah. Atatürk cad. İstanbul Dünya Ticaret Merkezi Blokları A1 Blok No: 10/1
Kat: 16 Ofis No: 463-465-466 Bakırköy – İSTANBUL, 34149 Turkey

manufactured by

ASD ORMAN ÜRÜNLERİ PAZ. SAN. VE TİC.A.Ş.

Yeşilköy mah. Atatürk cad. İstanbul Dünya Ticaret Merkezi Blokları A1 Blok No: 10/1
Kat: 16 Ofis No: 463-465-466 Bakırköy – İSTANBUL, 34149 Turkey

complies with the requirements stipulated in the document

Annex ZA (Table ZA.3b) of EN 438-7:2005. High-pressure decorative laminates (HPL)-Sheets based on thermosetting resins (usually called laminates) – Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes

The Institute for Testing and Certification achieved positive results when testing the product in accordance with the certification process of **scheme 1a** pursuant to the requirements stipulated by ČSN EN ISO /IEC 17067 and the above technical specifications. A description of the product, documentation, evaluation procedures and the results of the re-testing process are presented in Final Protocol No. **313500829/2017**, which is attached to this Certificate.

Terms of use of certificate and related information:

1. This Certificate is issued on a voluntary basis and is only valid for the product (products) and modifications thereto stated in the Certificate and in relation to the issued certification document.
2. The Institute for Testing and Certification, as the issuer of this Certificate, confirms the existence of the relevant certification document.
3. This Certificate in no way implies supervision or inspection of the product by ITC.
4. This Certificate remains valid provided that no changes are made to the production technology used, the standards applied or the relevant legislation, although no longer than up to the validity date specified below.
5. The Certificate holder is obliged to organise its own production quality assurance system to ensure that the certified product continues to comply with the requirements stipulated by the relevant certification document and terms of use of this Certificate while the Certificate is valid, and is obliged to inform ITC of any changes in raw materials or production technology that could affect the properties of the certified product.
6. When using the Certificate, the Certificate holder must abide by the Certificate Usage Rules, which are available to the public at www.itczlin.cz.
7. The validity of this Certificate may be verified at www.itczlin.cz.

Issued in Zlín, on:
Valid until:

2017-09-29
2020-09-30



Pavel Vaněk
Director of Certification Division



Institute for Testing and Certification
Zlín, Czech Republic – www.itczlin.cz

CERTIFICATE

No. 17 0466 T/ITC

confirms that the product

ASD Laminat Compact Standard Line-compact laminate panels for external wall and ceiling finishes, type: HPL-EGS t≥6 mm laminate

of the applicant

ASD ORMAN ÜRÜNLERİ PAZ. SAN. VE TİC.A.Ş.
Yeşilköy mah. Atatürk cad. İstanbul Dünya Ticaret Merkezi Blokları A1 Blok No: 10/1
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Pavel Vaněk

Pavel Vaněk
Director of Certification Division



INSTITUTE FOR TESTING AND CERTIFICATION

třída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic

FINAL REPORT

Reference No. 31 35 00829/ 2017

Applicant: ASD ORMAN ÜRÜNLERİ PAZ. SAN. VE TİC.A.Ş.
Yeşilköy mah. Atatürk cad. İstanbul Dünya
Ticaret Merkezi Blokları A1 Blok No: 10/1 Kat: 16
Ofis No: 463-465-466 Bakırköy – İSTANBUL,
34149 Turkey

Product: ASD Laminat Compact Standard Line-compact
laminat panels for external wall and ceiling
finishes, type: HPL-EGS $t \geq 6$ mm laminate

**ASD compact laminate panels for internal wall
and ceiling finishes, type: HPL-CGS $t \geq 6$ mm**

Manufacturer: ASD ORMAN ÜRÜNLERİ PAZ. SAN. VE TİC.A.Ş.
Yeşilköy mah. Atatürk cad. İstanbul Dünya Ticaret
Merkezi Blokları A1 Blok No: 10/1 Kat: 16 Ofis No:
463-465-466 Bakırköy – İSTANBUL, 34149 Turkey

Elaborated by: Milan Kovář

A blue ink signature of Milan Kovář, written in a cursive style.

Issued on: 29th September 2017



A blue ink signature of Pavel Vaněk, written in a cursive style.

Pavel Vaněk

Head of Certification Division



1. Product specification

High-pressure decorative laminates (HPL).

EGS type (exterior grade, **g**eneral purpose, **s**tandard grade), external use, thickness is minimum 6 mm.

CGS type (**c**ompact grade, **g**eneral purpose, **s**tandard grade), internal use, thickness is minimum 6 mm.

2. Conformity of properties of the certified product with specified regulations

2.1 Specified regulations

The certification was carried out in range of :

Annex ZA (Tables ZA.3b, ZA.1) of EN 438-7:2005. High-pressure decorative laminates (HPL)- Sheets based on thermosetting resins (usually called laminates) – Part 7: Compact laminate and HPL composite panels for internal and external wall and ceiling finishes.

Requirements are given in EN 438-4 and EN 438-6 standards.

Certification process: Scheme 1a pursuant to the requirements of ČSN EN ISO/IEC 17067.

2.2 Indicators of essential properties, testing methods

- Reaction to fire, according to: EN 13501-1+A1, Annex B of EN 438-7
- Flexural strength and modulus of elasticity, according to: EN 438-7, Art. 4.8 (EN ISO 178)
- Resistance to immersion in boiling water (for CGS type), according to: EN 438-2, test method 12
- Resistance to climatic shock (for EGS type), according to: EN 438-2, test method 19
- Resistance to wet conditions (for EGS type), according to: EN 438-2, test method 15
- Density, according to: EN ISO 1183-1, test method A

Water vapour resistance factor – tabled value (according to Table 1 of EN 438-7) is declared.

The other characteristics given in Table ZA.1 pf EN 438-7 are not relevant or declared by the manufacturer.

2.3 Sampling place and number of samples taken

-



2.4 Place and date of testing

Tests were carried out in following test laboratory:

- HEADSHIP OF TSE TEST and CALIBARATION CENTER, CONSTRUCTION MATERIALS LABORATORY, ANKARA, TURKEY (June – September 2017)

2.5 Test results

Test results and required values of technical characteristics are given in Tables 1 and 2.

Test results(except reaction to fire) were taken over from sent documents:

- Test Report No. 358818; 09-17, elaborated by HEADSHIP OF TSE TEST and CALIBARATION CENTER, CONSTRUCTION MATERIALS LABORATORY, ANKARA on 12/09/2017
- Test Report No. AB-0001-T; 354628; 08-17, elaborated by HEADSHIP OF TSE TEST and CALIBARATION CENTER, CONSTRUCTION MATERIALS LABORATORY, ANKARA on 11/08/2017
- Test Report No. AB-0001-T; 354626; 08-17, elaborated by HEADSHIP OF TSE TEST and CALIBARATION CENTER, CONSTRUCTION MATERIALS LABORATORY, ANKARA on 11/08/2017

Reaction to fire test results were taken over from documents:

- Test Report No. 753500937/2013, elaborated by ITC, a.s. – Notified Body No. 1023, Zlín, on 29/11/2013
- Test Report No. 753500499/2011, elaborated by ITC, a.s. – Notified Body No. 1023, Zlín, on 30/06/2011

on the basis of:

- The manufacturer's declaration on constancy of the HPL-EGS type since November 2013 – a letter from 15/09/2017
- The manufacturer's declaration on constancy of the HPL-CGS type since June 2011– a letter from 15/09/2017

Remark: From 30th January 2017, the manufacturer's address was changed. It is documented by:

- The manufacturer's declaration on the manufacturer's address change – a letter from 15/09/2017



Table 1 – Test results – CGS type

Technical characteristic	Measured values	Required (declared) values
Reaction to fire (class)	D-s2, d0	D-s2, d0
Flexural strength (in T-direction)(MPa)	179.8	Min. 80
Flexural modulus of elasticity (in T-direction)(MPa)	12479	Min. 9000
Resistance to immersion in boiling water		
- Mass increase (%)	0.3	Max. 2.0
- Thickness increase (%)	0.4	Max. 2.0
-Appearance (rating)	5 (no visible change)	Min. 3
• Surface rating (gloss finish)		Min. 4
• Surface rating (other finishes)		Min. 3
• Edge rating		
Density (g/cm ³)	1.43	Min. 1.35

Remark: Thickness of the test samples: 6 mm

Table 2 – Test results – EGS type

Technical characteristic	Measured values	Required (declared) values
Reaction to fire (class)	D-s2, d0	D-s2, d0
Flexural strength (in T-direction)(MPa)	178.7	Min. 80
Flexural modulus of elasticity (in Tdirection)(MPa)	9748	Min. 9000
Resistance to climatic shock		
-Appearance (rating)	5 (no visible change)	Min. 4
-Flexural strength index (D _s) - longitudinal/cross-longitudinal	0.96/0.97	Min. 0.80
-Flexural modulus index (D _m) - longitudinal/cross-longitudinal	0.98/0.97	Min. 0.80
Resistance to wet conditions		
- Mass increase (%)	0.84	Max. 5
-Appearance (rating)	5 (no visible change)	Min. 4
• Surface rating		Min. 3
• Edge rating		
Density (g/cm ³)	1.42	Min. 1.35

Remark: Thickness of the test samples: 6 mm

2.6 Comparison of certified product properties with specified regulations



- „ASD Laminat Compact Standard Line-compact laminate panels for external wall and ceiling finishes, type: HPL-EGS $t \geq 6$ mm laminate“ meets requirements for characteristics, written in Table ZA.3b of EN 438-7 standard.
- „ASD compact laminate panels for internal wall and ceiling finishes, type: HPL-CGS $t \geq 6$ mm“ meets requirements for characteristics, written in Table ZA.3b of EN 438-7 standard.

3. Conclusion

- „ASD Laminat Compact Standard Line-compact laminate panels for external wall and ceiling finishes, type: HPL-EGS $t \geq 6$ mm laminate“ meets requirements for characteristics, written in Table ZA.3b of EN 438-7 standard.
- „ASD compact laminate panels for internal wall and ceiling finishes, type: HPL-CGS $t \geq 6$ mm“ meets requirements for characteristics, written in Table ZA.3b of EN 438-7 standard.

The products meet requirements for the issue of a Type Certificate by the „Institut pro testování a certifikaci, a.s. Zlín“.

4. A list of documents used to elaboration of the Final Report

- Application for product certifications No. 313500829
- Test Report No. 358818; 09-17, elaborated by HEADSHIP OF TSE TEST and CALIBRATION CENTER, CONSTRUCTION MATERIALS LABORATORY, ANKARA on 12/09/2017
- Test Report No. AB-0001-T; 354628; 08-17, elaborated by HEADSHIP OF TSE TEST and CALIBRATION CENTER, CONSTRUCTION MATERIALS LABORATORY, ANKARA on 11/08/2017
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- Test Report No. 753500499/2011, elaborated by ITC, a.s. – Notified Body No. 1023, Zlín, on 30/06/2011
- The manufacturer's declaration on constancy of the HPL-EGS type since November 2013 – a letter from 15/09/2017



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- The manufacturer's declaration on constancy of the HPL-CGS type since June 2011– a letter from 15/09/2017
- The manufacturer's declaration on the manufacturer's address change – a letter from 15/09/2017