

**The Appendix is an integral part of  
Certificate of Accreditation No. 147/2022 of 17/03/2022**

**Accredited entity according to ČSN EN ISO/IEC 17025:2018:**

**IKATES, s.r.o.**  
Testing Laboratory for Glass and Building Products  
Tolstého 186, Řetenice, 415 03 Teplice

*The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.*

*Updated list of activities provided within the flexible scope of accreditation is available at the Laboratory from the Laboratory Manager.*

**Tests:**

Ordinal number <sup>1</sup>	Test procedure/ method name	Test procedure/method identification <sup>2</sup>	Tested object
1.	Determination and measurement of defects, assessment of appearance	ČSN 70 0550:1962 ČSN 70 1304, cl. 21 ČSN 70 3200, cl. 29 ČSN 70 8005, cl. 5.2 ČSN 70 8026:1996, cl. 4.2, 4.4 ČSN 70 9052:1956, cl. 29 to 31 ČSN EN 572-2, cl. 5.2.2 ČSN EN 572-3, cl. 5.2 ČSN EN 572-4, cl. 5.2 ČSN EN 572-5, cl. 5.2 ČSN EN 572-6, cl. 5.2 ČSN EN 572-7, cl. 5.2 ČSN EN 572-8+A1, cl. 5.2.2 ČSN EN 1036-1, cl. 7.2.1.1, 7.2.2.1 ČSN EN 1051-1, cl. 7.1 ČSN EN 1096-1, cl. 8.2, 8.3 ČSN EN 1279-1, cl. 6.2, Annex F ČSN EN 1748-1-1, cl. 7.1 ČSN EN 01/02/1748, cl. 7.1 ČSN EN 14178-1, cl. 7.1 ČSN EN 12875-2 ČSN EN 15755-1, chap. 7 ČSN EN 16477-1, cl. 6.2.1 ČSN EN ISO 12543-6, chap. 4 ES:1869/2018, cl. 4.1, 4.3, 4.4 PD PN 001/70/83, cl. 19 b, c, d PD PN 70 1591, cl. 12 PD TP 11111/98, cl. 3.1	Products made of glass
2.	Determination of dimensions, squareness and deflection	ČSN 70 0562 ČSN 70 1304, cl. 22 to 24 ČSN 70 8005, cl. 5.3 ČSN 70 8026:1996, cl. 4.3 ČSN 70 9052:1956, cl. 25 to 28 ČSN EN 572-2, cl. 4.1, 4.2 ČSN EN 572-3, cl. 4.1, 4.2	Products made of glass

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Ordinal number <sup>1</sup>	Test procedure/ method name	Test procedure/method identification <sup>2</sup>	Tested object
		ČSN EN 572-4, cl. 4.1, 4.2 ČSN EN 572-5, cl. 4.1, 4.2 ČSN EN 572-6, cl. 4.1, 4.2 ČSN EN 572-7, cl. 4.1, 4.2 ČSN EN 572-8+A1, cl. 5.2, 5.3 ČSN EN 1036-1, cl. 5.1, 5.2 ČSN EN 1051-1, cl. 5.3.1 ČSN EN 1279-1, cl. 6.3 ČSN EN 1748-1-1, cl. 6.2, 6.3 ČSN EN 01/02/1748, cl. 6.2, 6.3 ČSN EN 1863-1, cl. 6 ČSN EN 12150-1+A1, cl. 6 ČSN EN 12337-1, cl. 6 ČSN EN 13024-1, cl. 6 ČSN EN 14178-1, cl. 6.1, 6.3 ČSN EN 14179-1, cl. 8 ČSN EN 14321-1, cl. 6 ČSN EN 15752-1, cl. 6.1.2 ČSN EN 16477-1, chap. 5 ČSN EN ISO 12543-5, cl. 4 ES:1869/2018, cl. 4.2.1 PD PN 001/70/83, cl. 19 a) PD PN 70 1591, cl. 13 to 15 PD TP 11111/98, cl. 3.2 to 3.5 ZP 99006, cl. 2.2 to 2.4, 2.6 (Glaverbel catalogue sheet)	
3.	Determination of water absorption	ČSN EN 1609, method A ČSN EN 12087, methods 1A, 1B, 2A, 2B	Materials made of glass fibres
4.	Determination of dew point	ČSN 70 1621:1989, cl. 30 to 33 ČSN EN 1279-6, Annex K	Products made of glass
5.	Determination of adhesion	ČSN EN ISO 2409	Paints and coatings on glass products
6.	Determination of light and solar characteristics, colour measurement	ČSN 01 1718, chap. IVA, VI ČSN EN 410, cl. 5.2 to 5.6 ČSN EN ISO 7823-2, Annex A ČSN EN ISO 13468-2 ISO 9050, cl. 3.3 to 3.9 ISO 13837 IWA 8, Annex A ECE 43R, Annex 3, cl. 9.1	Products made of glass, plastics

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7.	Determination of mass and volume	ČSN 70 0553:1982 ČSN EN 1051-1, cl. 5.4.1 ČSN EN 1279-4, Annex D.1 ES:1869/2018, cl. 4.2.2 ZP 99005 (manuals from the balance manufacturers)	Products made of glass
8.	Climatic and corrosion tests	ČSN 70 0593, cl. 4 ČSN EN 1036-1, Annex A ČSN EN 1096-2, cl. 5 to 10, Annex B, C ČSN EN 1279-2 ČSN EN 1279-4, Annex H ČSN EN 1279-6, cl. B.4 ČSN EN 16477-1, cl. 8.1.4 ČSN EN 60068-2-2, section 1, 2 ČSN EN ISO 12543-4, cl. 6 ISO 3917, cl. 7 ECE 43R, Annex 3, cl. 6 PD PN 70 1591, cl. 18	Products made of glass
9.	Test of light fastness and radiation resistance	ČSN EN 1096-3, chap. 5 to 9, Annex C1 ČSN EN ISO 12543-4, chap. 7, method A	Products made of glass
10.	Determination of resistance to thermal shock, endurance and resistance to high temperature	ČSN 70 0593, cl. 3 ČSN EN 1183 ČSN EN 12875-4 ČSN EN 12875-5 ČSN EN 15284 ČSN EN 16477-1, cl. 8.1.3 ČSN P CEN/TS 12983-2, Annex F ČSN EN ISO 7459 ČSN EN ISO 12543-4, cl. 5 ČSN ISO 718 ISO 3917, cl. 6 BS 3193, Annex C ES:1869/2018, cl. 6.3, 8 ECE 43R, Annex 3, cl. 6, 8 PD PN 70 1591, cl. 17 PD TP 11111/98, cl. 3.7	Products made of glass

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Ordinal number <sup>1</sup>	Test procedure/ method name	Test procedure/method identification <sup>2</sup>	Tested object
11.	Tests of resistance to impact and attack, fragmentation test	ČSN EN 356 ČSN EN 1063 ČSN EN 1523 ČSN EN 1863-1, cl. 8 ČSN EN 12150-1+A1, cl. 8 ČSN EN 12600 ČSN EN 12980 ČSN EN 13024-1, cl. 8 ČSN EN 14179-1, cl. 10 ČSN EN 14321-1, cl. 8 ČSN EN 15683-1, cl. 8 ISO 11485-3, cl. 5 BS 3193, Annex B, D BS 6206 ANSI Z 97.1 ECE 43R, Annex 3, cl. 1, 2.1 PD PN 70 1591, cl. 16 PD TP 11111/98, cl. 3.6, 3.8	Products made of glass
12.	Determination of compressive, tensile and bending strength	ČSN EN 1051-1, cl. 6.1, Annex A, B ČSN EN 1279-4, cl. 5.5.1, Annex A.1 ČSN EN 1288-1 ČSN EN 1288-3 ČSN EN 1288-5 ČSN EN ISO 8113	Products made of glass, glass industry components, plastics
13.	Determination of gas content and leak rate	ZP 00001 (manuals from the analyzer manufacturers) ZP-SOP 09018 (ČSN EN 1279-3)	Products made of glass
14.	Determination of thermal properties	ČSN EN 673 ČSN EN 674	Products made of glass
15.	Tests of resistance to wear	ČSN EN 1096-2, cl. 7 to 9, Annex E	Products made of glass, coatings
16.	Determination of internal stress	ČSN 70 0534 ASTM C148-14	Products made of glass

<sup>1</sup> asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

<sup>2</sup> if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

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**Annex:**

Flexible scope of accreditation

Ordinal numbers of tests
1 to 16

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

**Explanations and abbreviations:**

ANSI	- Standard of the American National Standards Institute
ASTM	- American Society for Testing and Materials
BS	- British Standard
ECE	- Regulations of the United Nations Economic Commission for Europe (UN/ECE)
ES	- Egyptian standard
IWA	- ISO workshop agreement
PD	- Adopted document
PN	- Company Standard
SOP	- Standard Operating Procedure
TP	- Technical Specifications
ZP	- Testing procedure of IKATES, s.r.o.

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**Assessment of conformity for authorization/notification purposes**

Ordinal number	Product / Product group	Conformity assessment procedure	Basic requirements: product specifications / characteristics / technical standards
<b>1.</b>	<b>Construction products acc. to Regulation (EU) No. 305/2011</b>		
<b>1.1</b>	<b>Flat glass, profiled glass and glass block products</b>		
1.1.1	Flat glass, profiled glass and glass block products (2/6): For uses subject to fire regulations, requiring testing (according to RK 2000/245/EC and change 2001/596/EC) • Flat or curved glazing	Regulation No. 305/2011 system 3	EN 1096-4:2018 EN 1748-1-2:2004 EN 02/02/1748:2004 EN 1863-2:2004 EN 12337-2:2004 EN 13024-2:2004 EN 14178-2:2004 EN 14179-2:2005 EN 14321-2:2005 EN 14449:2005 EN 14449/AC:2005 EN 1279-5+A2:2010 EN 1279-5:2018
1.1.2	Flat glass, profiled glass and glass block products (2/6): For uses subject to fire regulations, requiring testing (according to RK 2000/245/EC and change 2001/596/EC) • Insulating glass units	Regulation No. 305/2011 system 3	EN 1279-5:2005+A2:2010 EN 1279-5:2018
1.1.3	Flat glass, profiled glass and glass block products (3/6): For uses subject to external fire performance regulations (according to RK 2000/245/EC and change 2001/596/EC) • Flat or curved glazing	Regulation No. 305/2011 system 3	EN 572-9:2004 EN 1096-4:2004 EN 02/01/1748:2004 EN 02/02/1748:2004 EN 1863-2:2004 EN 12150-2:2004 EN 12337-2:2004 EN 13024-2:2004 EN 14178-2:2004 EN 14179-2:2005 EN 14321-2:2005 EN 14449:2005 EN 14449/AC:2005

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Ordinal number	Product / Product group	Conformity assessment procedure	Basic requirements: product specifications / characteristics / technical standards
1.1.4	Flat glass, profiled glass and glass block products (3/6): For uses subject to external fire performance regulations (according to RK 2000/245/EC and change 2001/596/EC) • U-profile glazing	Regulation No. 305/2011 system 3	EN 572-9:2004 EN 15683-2:2013
1.1.5	Flat glass, profiled glass and glass block products (3/6): For uses subject to external fire performance regulations (according to RK 2000/245/EC and change 2001/596/EC) • Insulation glass	Regulation No. 305/2011 system 3	EN 1279-5:2005+A2:2010 EN 1279-5:2018
1.1.6	Flat glass, profiled glass and glass block products (4/6): For other uses exposed to the risks of "safety in use" and to which such regulations apply (according to RK 2000/245/EC and change 2001/596/EC) • Flat or curved glazing	Regulation No. 305/2011 system 3	EN 572-9:2004 EN 1036-2:2008 EN 1096-4:2004 EN 02/01/1748:2004 EN 02/02/1748:2004 EN 1863-2:2004 EN 12150-2:2004 EN 12337-2:2004 EN 13024-2:2004 EN 14178-2:2004 EN 14179-2:2005 EN 14321-2:2005 EN 14449:2005 EN 14449:2005/AC:2005
1.1.7	Flat glass, profiled glass and glass block products (4/6): For other uses exposed to the risks of "safety in use" and to which such regulations apply (according to RK 2000/245/EC and change 2001/596/EC) • U-profile glazing	Regulation No. 305/2011 system 3	EN 572-9:2004 EN 15683-2:2013

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Ordinal number	Product / Product group	Conformity assessment procedure	Basic requirements: product specifications / characteristics / technical standards
1.1.8	Flat glass, profiled glass and glass block products (4/6): For other uses exposed to the risks of "safety in use" and to which such regulations apply (according to RK 2000/245/EC and change 2001/596/EC) • Insulation glass	Regulation No. 305/2011 system 3	EN 1279-5:2005+A2:2010 EN 1279-5:2018
1.1.9	Flat glass, profiled glass and glass block products (4/6): For other uses exposed to the risks of "safety in use" and to which such regulations apply (according to RK 2000/245/EC and change 2001/596/EC) • Glass blocks	Regulation No. 305/2011 system 3	EN 1051-2:2007
1.1.10	Flat glass, profiled glass and glass block products (5/6): For uses subject to energy savings or noise reduction regulations (according to RK 2000/245/EC and change 2001/596/EC) • Flat or curved glazing	Regulation No. 305/2011 system 3	EN 572-9:2004 EN 1036-2:2008 EN 1096-4:2004 EN 02/01/1748:2004 EN 02/02/1748:2004 EN 1863-2:2004 EN 12150-2:2004 EN 12337-2:2004 EN 13024-2:2004 EN 14178-2:2004 EN 14179-2:2005 EN 14321-2:2005 EN 14449:2005 EN 14449:2005/AC:2005
1.1.11	Flat glass, profiled glass and glass block products (5/6): For uses subject to energy savings or noise reduction regulations (according to RK 2000/245/EC and change 2001/596/EC) • U-profile glazing	Regulation No. 305/2011 system 3	EN 572-9:2004 EN 15683-2:2013



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Ordinal number	Product / Product group	Conformity assessment procedure	Basic requirements: product specifications / characteristics / technical standards
1.1.12	Flat glass, profiled glass and glass block products (5/6): For uses subject to energy savings or noise reduction regulations (according to RK 2000/245/EC and change 2001/596/EC) • Insulation glass	Regulation No. 305/2011 system 3	EN 1279-5:2005+A2:2010 EN 1279-5:2018
1.1.13	Flat glass, profiled glass and glass block products (5/6): For uses subject to energy savings or noise reduction regulations (according to RK 2000/245/EC and change 2001/596/EC) • Glass blocks	Regulation No. 305/2011 system 3	EN 1051-2:2007

**Explanations and abbreviations:**

Regulation - Regulation (EU) of the European Parliament and of the Council  
RK - Commission Decision