

CASE STUDY

# IK08 & IK10

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### **FORTES touch glass are designed to meet impact resistance with severity level IK08 and IK10**

In May 2019, we brought two different types of the FORTES glass to the SZÚ (Strojirenský zkušební ústav) in #brnregion, where our products were tested for durability of glass and amount of impact it can withstand. The reasons why have we done this are simple. The results of such a test can lead us to improvement in the quality of our products. Further, we wanted to prove that our products are as durable as we present on our websites.

Therefore we got in touch with SZÚ, respected European organization dealing with testing, inspection, and certification. After the discussion with the authorities from SZÚ, we agreed to undergo the series of tests, that according to the webpage of SZU: "Measures the degrees of protection provided by enclosures for electrical equipment against external mechanical shocks (IK Code)." The testing process complied with **EN62262 standard**, which means, it is internationally authorized and respected. We successfully passed the tests, and as a result, we have received

an official certificate, which states that our glass offer the protection corresponding with level IK08 (5 mm glass) and IK10 (3+3 mm).

#### **What does it mean for our partners?**

The IK code should be an essential criterion to consider before you decide to buy any component that will serve as the protection of electrical systems. The higher the degree of IK is, the more energy can the glass absorb without taking damage. The enclosures with IK08 are protected against 5 joules of impact, and IK10 are protected against 20 joules of impact. For example dropping a 5kg heavy hammer from 40 cm height leaves no visible mark of physical damage on glass with IK10.

IK08 and above is recommended for fixtures that bear a potential risk of impacts, such as public areas internal and external, which could be subject to attempted vandalism. It is also beneficial to have a higher degree of protection in the industry (for instance, terminals for warehouse operators), where

the risk of damage is higher. Or in the gaming world, where the angry customers could hit the electrical devices out of frustration.

With the results of the testing, we can assure all our partners and potential new customers, that with our products they obtain not just the component providing fantastic touch experience, but also excellent protection for their electric devices.

 <b>Strojirenský zkušební ústav, s.p.</b> <b>(Engineering Test Institute, Public Enterprise)</b> Certifikační orgán certifikující produkty č. 3040 akreditovaný ČIA podle ČSN EN ISO/IEC 17065:2013 Product Certification Body 3040 accredited by the Czech Accreditation Institute pursuant to ČSN EN ISO/IEC 17065:2013 <b>Hudcova 424/56b, 621 00 Brno, Česká republika / Czech Republic</b>		 V 3040
<b>CERTIFIKÁT / CERTIFICATE</b>		
Číslo Number:	<b>B-01553-19</b>	
vydaný objednateli: <i>issued to Customer:</i>	FORTES interactive, s.r.o. Ulrychova 934/13 624 00 Brno - Komin Česká republika – Czech Republic	
na výrobek: <i>for product:</i>	Touch glass FORTOUCH	
Typ/Model: <i>Type/Model:</i>	5MM (533 x 473) mm až/to (1915 x 1115) mm 3+3MM (533 x 473) mm až/to (1915 x 1115) mm	
Výrobce: <i>Manufacturer:</i>	FORTES interactive, s.r.o. Ulrychova 934/13 624 00 Brno - Komin Česká republika – Czech Republic	
Podklad pro vydání certifikátu: <i>Basis of Certificate issuance:</i>	Závěrečný protokol č. 32-10182/EZ ze dne 2019-05-24 Final Report 32-10182/EZ of 2019-05-24	
<p>Na základě provedených ověření a zkoušek Strojirenský zkušební ústav, s.p. tímto certifikátem potvrzuje, že u vzorku předmětného výrobku zjistil shodu jeho vlastností s aplikovanými požadavky / <i>On the basis of the verifications and tests carried out, the Engineering Test Institute, Public Enterprise hereby certifies that the properties of the sample of the product concerned have been found conforming to the applied requirements</i></p> <p>na stupeň ochrany poskytované kryty / <i>for the degree of protection provided by enclosures</i>  <b>IK08</b> pro typ/for type <b>5MM</b> o rozměrech/with dimensions (533 x 473) mm až/to (1915 x 1115) mm  <b>IK10</b> pro typ/for type <b>3-3MM</b> o rozměrech with dimensions (533 x 473) mm až/to (1915 x 1115) mm          podle / as per ČSN EN 62262:2004.</p> <p>Použité certifikační schéma: ČSN EN ISO/IEC 17067:2014, schéma 1a.  <i>Certification scheme applied: ČSN EN ISO/IEC 17067:2014, Scheme 1a.</i></p> <p>Závěrečný protokol obsahuje závěry posouzení a údaje pro identifikaci výrobku. / <i>The Final Report contains the assessment conclusions and the product identification data.</i></p> <p>Pravidla pro nakládání s certifikátem jsou uvedena na 2. straně.  <i>The rules for using the Certificate are specified on Page 2.</i></p>		
Brno, 2019-05-27	 Ing. Aleš Onderek zástupce vedoucího certifikačního orgánu Deputy Head of Certification Body	
B-01553-19 Strana / Page 1 (2) Strojirenský zkušební ústav, s.p., Hudcova 424/56b, 621 00 Brno, Česká republika Engineering Test Institute, public enterprise, Hudcova 424/56b, 621 00 Brno, Czech Republic		F 03-008 v 02.01 typ 
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