

**DECLARATION OF PERFORMANCE**  
**No 109**

1. Unique identification code of the product-type:  
*Steel fibres: group I, length 60 mm, diameter 0,9 mm,  
form – deformed (with hooked ends), tensile strength – 1600 N/mm<sup>2</sup>*

2. Intended use:  
*Steel fiber for structural use in concrete and mortar*

3. Placed on the market under the name of  
*Private Joint Stock Company «STALKANAT», 16, Vodoprovodnaya Str. Odessa, 65007, Ukraine*

Produced in the manufacturing plant  
*Private Joint Stock Company «STALKANAT», 52A Izvestkovaya Str. Odessa, 65006, Ukraine*

4. Authorised representative: -

5. System of AVCP: 1

6. Harmonised standard: *EN 14889-1:2006*

Notified body: *No 1397, VI Statybos produkcijos sertifikavimo centras*

*Product certification body VI Statybos produkcijos sertifikavimo centras (SPSC) performed the assessment of the product type on the basis of type testing, the initial inspection of the manufacturing plant and of factory production control, the continuous surveillance, assessment and evaluation of factory production control and the audit testing of samples taken before placing the product on the market under system 1 and issued the certificate of constancy of performance 1397-CPR-0770, 2023-12-29*

7. Declared performances:

<b>Essential characteristics</b>	<b>Performance</b>	<b>Harmonised technical specification</b>
<b>Tensile strength, MPa</b>	<b>1600</b>	<b>EN 14889-1:2006</b>
<b>Length of fibre, mm</b>	<b>60</b>	
<b>Diameter, mm</b>	<b>0,9</b>	
<b>Aspect ratio – length/diameter</b>	<b>66,66</b>	
<b>Modulus of elasticity, MPa</b>	<b>200 000</b>	
<b>Effect on strength of concrete to obtain 1,5 N/mm<sup>2</sup> at CMOD=0,5 mm and 1,0 N/mm<sup>2</sup> at CMOD=3,5 mm</b>	<b>19 kg/m<sup>3</sup> of fibres</b>	
<b>Consistence with 19 kg/m<sup>3</sup> fibres</b>	<b>Vebe time 6 s</b>	
<b>Release of dangerous substances</b>	<b>NPD</b>	

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Lukyanenko GP, Head of division of technical control

Odessa, Ukraine, 2023-12-29

