



## DECLARATION OF PERFORMANCE

according to Annex III of the Regulation (EU) No 305/2011 for the product

### CARBOFIX ADHESIVE

10-2/072013

<b>1. Product Type:</b> Unique identification code of the product-type:	<b>CARBOFIX ADHESIVE</b>
<b>2. Intended use</b> or uses of the construction product, in accordance with applicable harmonised technical specification, as foreseen by the manufacturer:	Thixotropic epoxy adhesive for reinforcing concrete structures with bonded carbon strips in the BETOSAN® CRC system
<b>3. Name, registered trade name</b> or registered trade mark and contact address of the manufacturer as required under Article:	<b>BETOSAN s.r.o. Na Dolinách 28, 147 00 Praha 4</b>
<b>4. AVCP:</b> System or systems of assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V:	<b>System 2+</b>
<b>5. Notified body (hEN):</b> In case of the declaration of performance (DoP) concerning a construction product covered by harmonised standard:	<b>EN 1504-4:2004</b> <b>1301 - TSUS Bratislava n. o.</b>

#### 6. Declared performance

Essential characteristics	Performance
Adhesion to concrete	Tensile stress $\geq 14 \text{ N/mm}^2$ Shear angle at $50^\circ \geq 50 \text{ N/mm}^2$ Shear angle at $60^\circ \geq 60 \text{ N/mm}^2$ Shear angle at $70^\circ \geq 70 \text{ N/mm}^2$
Shear strength	$\geq 12 \text{ N/mm}^2$
Total shrinkage	$\leq 0.1 \%$
Workability/Pot life	30 min
Compressive elasticity modulus	$2\,000 \text{ N/mm}^2$ ( $8\,600 \text{ N/mm}^2$ )
Coefficient of thermal expansion	$\leq 100 * 10^{-6} \text{ K}^{-1}$
Glass transition temperature	$45 \text{ }^\circ\text{C}$ ( $55 \text{ }^\circ\text{C}$ )
Reaction to fire	euro class F
Durability	NPD
Release of dangerous substances	meets 5.4

#### 7. Declaration

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 6. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Prague, 2<sup>nd</sup> February 2020

Ing. Václav Pumpr, CSc.  
Manufacturing Director

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