
	<b>Colas Északkő Ltd.</b> H-3915 Tarcál, Malom street 10. Number of Declaration: F40/2017/06	 <b>2095</b>
	<b>DECLARATION OF PERFORMANCE FOR AGGREGATES</b>	

Based on the Regulation (EU) No 305/2011 of the European Parliament and of the Council (9 March 2011) and the Government Regulation 275/2013 (16. VII.) (Hungary)

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

1. Type of products:	<b>andesite aggregates for asphalt</b>
Unique identification code of the product-type:	<b>KZ 2/4 /SK/</b>
Első típusvizsgálat száma:	<b>F52/2016/06</b>
2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):	The commercial code of the product to be sold, the registration number of the delivery vehicle, the production- and loading location, quantity of items, the exact date of balancing, the name and address of the purchaser and the destination of the items are written on the delivery note which made at the time of balancing
Unique identification code, linked the product from the number of initial type test, showed on the delivery note:	<b>406</b>
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:	In according to intended use the product complies with the properties in the paragraph 9 with the product standard(s) in the 7th paragraph
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):	<b>Colas Északkő Ltd. (H-3915 Tarcál, Malom street 10.) Tálya Quarry</b>
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):	
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:	<b>system 2+</b>
7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:	<b>MSZ EN 13043:2003: Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas</b>  <b>TLI Technológiai, Laboratóriumi és Innovációs Zrt. Tanúsító Iroda</b> carried out the the initial examination of the production of the factory production control and performs continuous monitoring, assesment and evaluation of the production control system.
Number of certificate:	<b>2095 CPR 197</b>
Number of standard used to measure performance according to the declaration:	<b>MSZ EN 13043:2003</b>

#### 9. Declared performance (Properties listed as points of reference standards):

	Section	relevant characteristics	Test method	Specifying results	Unique identification code in accordance with point 1
					Quality features
Geometrical requirements	4.1.2.	Aggregate size (d/D)			2/4
	4.1.3.	Grading	EN 933-1	class	G <sub>C90/15</sub>
	4.1.3.1.	Overall limits and tolerances for coarse aggregate grading at mid-size sieves	EN 933-1	class	G <sub>NR</sub>
	4.1.3.2.	Tolerances on declared typical grading for fine and all-in aggregates	EN 933-1	class	G <sub>TcNR</sub>
	4.1.4.	Fines content	EN 933-1	class	f <sub>1</sub>
	4.1.5.	Fines quality	EN 933-9	class	MB <sub>F</sub> NR
	4.1.6.	Flakiness Index (FI)	EN 933-3	class	FI <sub>20</sub>
	4.1.6.	Shape Index (SI)	EN 933-3	class	SI <sub>NR</sub>
	4.1.7.	Percentage of crushed and broken particles	EN 933-5	class	C <sub>100/0</sub>
4.1.8.	Angularity of fine aggregates	EN 933-6	class	Ec <sub>5</sub> NR	
Physical requirements	4.2.2.	Resistance to fragmentation (LA)	EN 1097-2	class	LA <sub>20</sub>
	4.2.3.	Resistance to polishing for application in surface courses (PSV)	EN 1097-8	class	PSV <sub>56</sub>
	4.2.4.	Resistance to surface abrasion (AAV)	EN 1097-8	class	AAV <sub>NR</sub>
	4.2.5.	Resistance to wear (mDe)	EN 1097-1	class	M <sub>De</sub> 15
	4.2.6.	Resistance to abrasion from studded tyres for application is surface courses	EN 1097-9	class	A <sub>N</sub> NR
	4.2.7.1.	Particle density	EN 1097-6	given value	2,64 Mg/m <sup>3</sup>
	4.2.7.2.	Water absorption	EN 1097-6	given value	NPD
	4.2.9.2.	Resistance to freezing and thawing	EN 1367-1	class	F <sub>1</sub>
	4.2.9.2.	Magnesium sulfate soundness of coarse aggregates	EN 1367-2	class	MS <sub>18</sub>
	4.2.10.	Resistance to thermal shock	EN 1367-5	given value	V <sub>LA</sub> = 3%; I = 0,58%
	4.2.11.	Affinity to bituminous binder	EN 12697-11	given value	90%
	4.2.12.	„Sonnenbrand” of basalt	EN 1367-3	class	SB <sub>NR</sub>
	4.3.2.	Chemical composition	EN 932-3	given value	NPD
4.3.3.	Coarse lightweight contaminators	EN 1744-1	class	m <sub>LPc</sub> NR	
Other requirements	4.2.8.	Bulk density	EN 1097-3	given value	1,23 Mg/m <sup>3</sup>

#### 10. Additional information

- the selling date, consumer, destination, quantity of product sold are written on the delivery note which belongs to the declaration
- The declaration of the product based on the annex ZA. of the product standard and can only use characterize the product which covered by the delivery note.
- The buyer must inform the manufacturer of any special requirements for the particular end use at the time of order, that the requirements of this declaration and the CE corresponding page are not included.
- The warranty obligation specified in the declaration only covers the product characteristics if the consumption occurred based on the valid standards or/and technical specifications for road management provisions.
- Complaints about the product only can be initiated with delivery note and declaration of performance.