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TEST REPORT

ABETON - VIACOLOR TÉRKŐ Zrt.
KÖZPONTI LABORATÓRIUM
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Testing laboratory accredited by NAH under number NAH-1-1115/2019.

The test report contains 1 numbered page.

TESTING OF SOLID CONCRETE

Compressive strength of test specimens MSZ EN 12390-3:2009 (Withdrawn standard), body density MSZ EN 12390-7:2009 (Withdrawn standard) 5.5.5., 5.5.6. platoon, 6., 7. chapter.

Costumer: **EN-CO Lab Kft. (VPI Kft.)**
address: 1119 Budapest, Andor u. 60.
Contractor (entrepreneur):
Identification **OTB-B-001-211118**
Place of installation or origin: **VPI Kft. Concrete factory**

Sample Number **2949**
Reg.Number: A/2022/01/2949.111
Work Number:

Identifiers of related documents:
Sampling protocol: 22/01/2949. b
Measuring sheets: **22/01/2949.111b**

Sampling date: **2021.11.18**
Sampling method: **Standard**
Date of arrival: **2021.11.18**
Examination completion date: **2021.12.16**

1. SAMPLING DATA

Delivery note number.:
SAMPLER: Zoltán Szabó
SAMPLING PLACE: Laboratory
NUMBER OF TEST ITEMS: 3 SIGN:
150x150x150 cube
PURPOSE OF INVESTIGATION: type test
REQUESTED DATE OF THE EXAMINATION: 2021.12.16 2021.12.16 AGE: 28 days

2. TECHNOLOGICAL DATA:

PLACE OF MIXING, TYPE OF MIXER: **VPI Kft. Concrete factory**

DESIGNED QUALITY: C40/50-XC4-XV3(H)-XF4-8--SCC-MSZ 4798:2016

COMPOSITION:	***Designation***	***Place of origin***	***Quantity***	W/C
Recipe number:	*CEMENT:*		kg/m³	
	ADDITIVE:			
	CHEMICAL:			
	ADDITIONAL MATERIAL:		kg/m³	
			kg/m³	

AFTER TREATMENT: Mixed storage

3. INSTALLATION DATA:

PLACE OF INSTALLATION:
BUILDING NAME:
STRUCTURE NAME: trial mixing SIGN: ITEM SIZE: m³

4. TEST DATA

SHAPE CORRECTNESS: **fit**
Deviation from surface plane (0,0005 d): **fit**
Angle between adjacent sides (90° ± 0,5°): **fit**

Test item signal	Weight (g)	Sizes (mm)			Breaking force (kN)	Body density (kg/m3)	Unique strength f_{ci} (N/mm2)
		Printed surface		Height			
1	7925	150,0	150,0	150,1	1388,2	2347	61,7
2	7946	150,2	150,0	150,0	1391,2	2351	61,7
3	7937	150,1	150,0	150,1	1440,5	2349	64,0

Average strength:
f_{cm}= 62,5 N/mm2

At the customer's request, the laboratory provides all detailed measurement results to the customer.
Comment: **The extended measurement uncertainty with a coverage probability of 95%, for the body density test: U=+/-3.912kg/m3, compressive strength test: U=+/-0.422N/mm2. The laboratory performed the test as the first party.**

Device name (number): Crusher machine (2023.08.22) Libra Vibra 31001CE (2023.02.16) Gap measuring set (2024.02.20)
Device name (number): 612049 SHIFT GAUGE 5127 (2023.01.21) Right angle 121044028 (2024.02.25)

Stamp
A Beton-Viacolor Térkő Zrt. KÖZPONTI LABORATÓRIUM Pécs

Pécs, 2021.12.16

Hortobágyi Gergely laboratory assistant
carried out a measurement / examination

Norbert Kovács, laboratory manager
responsible for technical content

The test results in the test report only apply to the tested individuals.
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ABETON VIACOLOR TERKŐ ZRT.
CENTRAL LABORATORY

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Raiting

Examination Report to A/2021/01/2949.111
MSZ 4798:2016 Concrete standard 8.2.1.3. Based on

Typical value for the nominal compressive strength class of concrete:

fck, cube = 50,0 N/mm²

1. Conformity condition for individual results:	**2. Average result compliance condition:**
In the case of test cubes made of concrete of strength class <C50/60 and stored in a mixed manner	
fci,cube, test, H =/> (fck, cube/0,92-4,5)N/mm2	fcm,cube, test, H =/> (fck, cube/0,92+6,5)N/mm2
fci,cube, test, H= **61,7 N/mm²**	fcm,cube, test, H = **62,5 N/mm²**
fck, cube/0,92-4,5= **49,8 N/mm²**	fck, cube/0,92+6,5= **60,8 N/mm²**
FIT	**FIT**

The compressive strength class of the tested concrete specimens:

C40/50

The tested concrete belongs to the nominal compressive strength class

FIT

Note: For the compressive strength test, extended measurement uncertainty with a 95% coverage probability: U=+/-0.422N/mm2, taking this value into account, based on the results obtained, the samples meet the requirements of the nominal compressive strength class.
We evaluated the test results in a non-accredited status.

The attachment is only valid and can be copied together with the test report No. A/2021/01/2949.111.
The evaluation contains 1 numbered page.

Pécs, 2021.12.16.

A Beton-Viacolor Térkő Zrt. KÖZPONTI LABORATÓRIUM Pécs

Norbert Kovács
manager of laboratory