TEST REPORT

ABETON - VIACOLOR TÉRKŐ Zrt.
KÖZPONTI LABORATÓRIUM
7634 Pécs, Nagy-Berki út 3.
Telephone: +3672/552-110/38, email: labor@abetonterko.hu
Testing laboratory accredited by NAH under number NAH-1-1115/2019.

The test report contains 1 numbered page.

Testing the watertightness of concrete

MSZ EN 12390-8:2009 (withdrawn standard)

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: **2022.01.06**

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: `2022.01.06` `2022.01.06` AGE: 49 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	

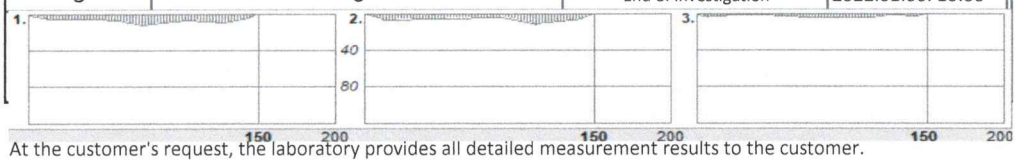
AFTER TREATMENT: Mixed storage

3. INSTALLATION DATA:

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

4. TEST DATA

Test item signal	Degree of water penetration [mm]	Test pressure [bar]	5
1	11	Duration of water pressure [hour]	72
2	12	Start of investigation	2022.01.03. 10:00
3	6	End of investigation	2022.01.06. 10:00



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 Watertightness test: U=+/-0.773mm. 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

Pécs, 2022.01.06

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.
This test report may only be copied in its entirety without the written permission of the testing laboratory!

ABETON VIACOLOR TERKŐ ZRT.
CENTRAL LABORATORY

7634 Pécs, Nagy-Berki út 3.
Tel:72/552-110/37, Fax:72/251-820,
e-mail: labor@abetonterko.hu

Raiting

For Examination Report No. A/2021/01/2949.123b
based on Table 5 of MSZ 4798:2016/2M:2018 NAD.

The largest individual value of the water penetration of the three test specimens: 12 mm

Water tightness of concrete:

XV3(H)

FIT

In the case of the planned XV3(H) environmental class, the maximum allowable individual water penetration depth: 20mm
The tested samples meet the requirements of the proposed XV3(H) exposure class.

Comment:
The extended measurement uncertainty with a 95% coverage probability for watertightness testing: U=+/-0.773mm.
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/2021/01/2949.123b. The evaluation contains 1 numbered page.

Pécs, 2022.01.06.

A Beton-Viacolor Térkő Zrt. KÖZPONTI LABORATÓRIUM Pécs

Norbert Kovács
Laboratory manager