CZECH TECHNICAL UNIVERSITY IN PRAGUE
FACULTY OF CIVIL ENGINEERING –
TESTING LABORATORY
testing laboratory No. 1048 accredited by
CIA under ČSN EN ISO/IEC 17025:2018
Thákurova 7, Praha 6, 166 29

ilac-MRA

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TEST REPORT number: 133 003/2021

on testing:

COMPRESSIVE STRENGTH OF TEST SPECIMENS 133/3

Client's name and address: JEAN-PAUL WHITECASTLE, spol. s.r.o.
Kaprova 42/14
110 00 Praha 1
VAT no.: 48041866

Date of test report issue: 17th December 2021

Approved by: doc. Ing. Josef Fládr, Ph.D., Technical Manager OL 133

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signature

Purpose of the test:	Determination of compressive strength of the specimens
Testing method:	133/3
Testing standard:	Testing hardened concrete – Part 3: Compressive strength of test specimens. ÚTNMZ, Praha 2020.
Specimens prepared by:	The specimens were produced in the testing laboratory behind the scope of the accreditation according to the concrete mixture described by Czech patent no. 304478. The mixing was conducted according to European patent no. 3351518 based on the customer's requirement.
Date of specimens takeover:	19th November 2021
Specimens handed over/taken over by:	Roman Chylík / Josef Fládr
Designation of specimens:	PB 1.1 – PB 1.6
Specimens produced by:	Testing laboratory OL 133 – D019, Faculty of Civil Engineering, Czech Technical University in Prague
Specimens production date:	18th November 2021
Specimens testing date:	16th December 2021
Specimens curing method:	Specimens were water cured in 20 °C ± 2 °C according to ČSN EN 12390-2 standard
Specimens tested by:	Testing laboratory OL 133 – D019, Faculty of Civil Engineering, Czech Technical University in Prague
Test conducted by:	Ing. Karel Šeps, Ph.D.
Test results:	See page 3

1. Results of compressive strength test

Spec. no.	Label	Length [mm]	Height [mm]	Width [mm]	Weight [g]	Bulk density [kg/m³]	Compress. strength Force [kN]	Compress. strength Strength [MPa]
1	PB 1.1	147.5	149.7	149.8	9085.4	2747	3592.05	162.7
2	PB 1.2	149.2	150.0	149.6	9218.8	2754	3670.59	164.1
3	PB 1.3	148.6	150.0	149.7	9221.5	2763	3686.70	165.4
4	PB 1.4	149.2	149.8	149.6	9102.3	2722	3636.13	162.7
5	PB 1.5	147.8	150.2	149.8	9082.0	2732	3565.18	160.6
6	PB 1.6	147.8	149.8	149.6	9072.0	2740	3638.91	164.4
Average						2765 ± 64		163.3 ± 7.1

Comment to uncertainties

The stated expanded measurement uncertainties U are a product of the standard measurement uncertainty and the expansion coefficient $k = 2$, providing reliability level of approximately 95 %.

Report prepared by:

doc. Ing. Josef Fládr, Ph.D. – Technical Manager OL 133

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