



RAPORT TESTIMI NR. / TEST REPORT N° : 1633/20

PERCAKTIMI I REZISTENCES NE SHTYPJE NJE AKSIALE TE GURIT NATYRAL
DETERMINATION OF UNIAXIAL COMPRESSIVE STRENGTH OF NATURAL STONE

STATISTICAL AVALUTATION OF THE RESULTS

Nr.Porosis/Order n°: 0328/20
 Nr.Regjistrimit te mostres/Register n° of sample: 0400/20
 Porosites/Purchaser: "REALIZ" sh.p.k
 Adresa/Address: Tiranë Kashar YZBERISH Rruga Tre Deshmoret, Pallati Ink, Kati I, Zona kadastrale 3866
 Vendndodhja/Site: Shkemb
 Mostra/ Sample: 01.06.2020
 Data e marrjes se mostres/Date of Sampling: 04.06.2020
 Data e testimit/Date of test: 05.06.2020
 Metoda e testimit/Test Method: EN 1926:2006
 Numri faqeve/Number of page: 1-1.

PERSHKRIMI DESCRIPTION		NJESIA UNIT	REZULTATET E TESTIMIT TEST RESULTS										
			1	2	3	4	5	6	7	8	9	10	
Mostra	Sample	no.											
Lartesia	Heigh	(h) mm	50.0	50.6	49.7	50.2	49.5	53.5	49.1	52.8	49.3	49.2	
Vlera mesatare e diametrit Mean value of diameter	(d)	mm	49	49	49	49	49	49	49	49	49	49	49
Sip.e seksionit terthor Cross-Sectional area	(A)	mm ²	1884.8	1884.8	1884.8	1884.8	1884.8	1884.8	1884.8	1884.8	1884.8	1884.8	1884.8
Orientimi i forces se ngarkimit Orientation of the axis of loading		(or ⊥) *											
Ngarkesa ne shkaterrim Load	Failure	(F) N	297146	287954	301245	297808	306461	313975	299129	392717	361816	279412	
Rezistenca ne shtypje nje aksiale Uniaxial Compressive strength	(R)	MPa	157.7	152.8	159.8	158.0	162.6	166.6	158.7	208.4	192.0	148.2	
Rezistenca mesatare ne shtypje nje aksiale Mean Value of Uniaxial Compressive strength	(R)	MPa	166										
Devijimi standart Deviation	Standard	(s) MPa	18.8										
Koeficienti i variacionit Coefficient	Variation	(v)	0.11										
Logaritmi i Rezistences ne shtypje Logarithmic value of Compressive strength			5.06	5.03	5.07	5.06	5.09	5.12	5.07	5.34	5.26	5.00	
Vlera logaritmike mesatare Logarithmic mean			5.1										
Devijimi standart i logaritmeve Logarithmic standart deviation			0.11										
Vlera me e ulet e pritshme expected value	Lower	MPa	132.5										

I - ngarkesa pinglul me planet e anizotropise II
 - ngarkesa paralel me planet e anizotropise
 I - load normal to the planes of anisotropy II -
 load parallel to the planes of anisotropy

Shenim
Note:

TESTUESI
TESTED BY
Tek. Florian KUKA



Ky raport testimi i referohet vetem kampioneve qe i jane nenshtuar testimit.
 Ky raport testimi nuk mund te riprodhohet ne menyre te pjeshme pa aprovimin me shkrim te ketij Laboratori!!!
 This report belongs only to the sample under the test.
 It is forbidden to copy this report or part of it without permission of the lab!!!



RAPORT TESTIMI NR / TEST REPORT N° : 1635/20

PERCAKTIMI I UJETHITHJES NE PRESION ATMOSFERIK
DETERMINATION OF WATER ABSORPTION AT ATMOSPHERIC PRESSURE

Nr.Porosisel/Order n°: 0328/20
 Nr.Regjistrimit te mostres/Register n° of sample: 0400/20
 Porositesil/Purchaser: "REALIZ" sh.p.k
 Adresa/Address: Tiranë Kashar YZBERISH Rruga Tre Deshmoret, Pallati Ink, Kati I,
 Zona kadastrale 3866
 Mostra/Sample: Shkemb
 Data e marrjes se mostres/Date of Sampling: 01.06.2020
 Data e testimit/Date of test: 05.06.2020
 Data e leshimit raportit/Issued date of report: 05.06.2020
 Metoda e testimit/Test Method: S SH EN 13755:2008
 Numri faqeve/Number of page: 1-1

PERSHKRIMI DESCRIPTIONS		NJESIA UNIT	REZULTATET E TESTIMIT TEST RESULT:					
Mostra Sample		no.	1	2	3	4	5	6
Pesha e mostres ne gjendje te thate <i>Dry mass of the specime</i>	(md)	g	303.91	296.54	299.04	286.68	308.37	290.77
Pesha ne gjendje te ngopur me uje e mostres <i>Mass of the saturated specimen</i>	(ms)	g	304.16	296.71	299.18	286.85	308.55	290.95
Ujethithja <i>Water absorption</i>	(Ab)	%	0.08	0.06	0.05	0.06	0.06	0.06
Vlera mesatre e ujethithjes <i>Mean value of Water absorption</i>	(Ab)	%	0.06					

Shenim

Note :

TESTUESI

TESTED BY

Eng. Donila TURTULLI

PERGJEGJESI LABORATORIT

CHIEF OF LABORATORY

Eng. Aranit KACEDJA



Ky raport testimi i referohet vetem kampioneve qe i jane nenshtuar testimit.

Ky raport testimi nuk mund te riprodhohet ne menyre te pjesshme pa aprovimin me shkrim te ketij Laboratori!!!

This report belongs only to the sample under the test.

It is forbidden to copy this report or part of it without permission of the lab!!!

NORD COMAT

HEAD OFFICE - TIRANE; Mob: +355 69 5250337; NIPT: L 08501501 Q

Tirane, dajt, Rruga "Muhamet Deliu" Pallat I Firmes "DODAJ", Kati I, afer Restorant Fresku; Tel: 044 525511; E-mail: info@nordcomat.com



RAPORT TESTIMI NR / TEST REPORT N°: 1636/20

**PERCAKTIMI I DENSITETIT DHE POROZITETIT
DETERMINATION OF REAL DENSITY AND POROSITY**

Nr.Porosis/Order n°: 0328/20
 Nr.Regjistrimit te mostres/Register n° of sample: 0400/20
 Porositesi/Purchaser: "REALIZ" sh.p.k
 Adresa/Address: Tiranë Kashar YZBERISH Rruga Tre Deshmoret, Pallati Ink, Kati I, Zona kadastrale 3866
 Mostra/Sample: Shkemb
 Data e marrjes se mostres/Date of Sampling: 01.06.2020
 Data e testimit/Date of test: 05.06.2020
 Data e leshimit raportit/Issued date of report: 05.06.2020
 Metoda e testimit/Test Method: S SH EN 1936:2006
 Numri faqeve/Number of page: 1-1

**REZULTATET E TESTIMIT
TEST RESULT:**

PERSHKRIME DESCRIPTIONS	NJESIA UNIT	Mostra 1	Mostra 2	Mostra 3	Mostra 4	Mostra 5	Mostra 6	
		Sample 1	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6	
Masa e mostres se ngopur Mass of the saturated specimen	(ms)	g	298.35	296.83	288.19	299.88	292.59	297.81
Masa e mostres se thate Mass of the dry specimen	(md)	g	298.33	296.78	288.11	299.84	292.51	297.73
Densiteti ujit Density of water	(D _{rh})	kg/m ³	998.0	998.0	998.0	998.0	998.0	998.0
Volumi i poreve te hapura ne moster Volume of open pores of the specimen	(V _o)	ml	0.02	0.05	0.08	0.04	0.08	0.08
Masa e mostres e zhytur ne uje Mass of the specimen immersed in water	(mh)	g	197.8	196.9	190.0	200.2	195.8	198.8
Vellimi i dukshem i mostres Apparent volume of the specimen	(V _b)	ml	100.71	100.16	98.39	99.93	97.02	99.25
Densiteti i dukshem i mostres Apparent density of the specimen	(D _b)	kg/m ³	2962.2	2963.0	2928.3	3000.5	3014.8	2999.8
Poroziteti i hapur i mostres Open porosity of the specimen	(D _o)	%	0.02	0.05	0.08	0.04	0.08	0.08
Masa e mostres se bluar dhe te thate mass of the specimen ground and dried	(me)	g	13.43	13.56	13.45	15.00	14.80	13.56
Masa e piknometrit te mbushur me uje Mass of the pycnometer filled with water	(m ₂)	g	145.00	145.00	145.00	145.00	145.00	145.00
Masa e piknometrit te mbushur me uje dhe me mostren e bluar Mass of the pycnometer filled with water and the ground specimen	(m ₁)	g	153.91	154.00	153.87	155.02	154.91	154.05
Densiteti real i mostres Real density of the specimen	(D _r)	kg/m ³	2965.3	2967.7	2931.4	3004.8	3018.1	3003.3
Poroziteti total i mostres Total porosity of the specimen	(p)	%	0.10	0.16	0.11	0.14	0.11	0.12

Shenime
Note:

TESTUESI
TESTED BY
Eng. Donila TURTULLI

PERGJEGJESI LABORATORIT
CHIEF OF LABORATORY
Eng. Aranit KACEDUJA



Ky raport testimi i referohet vetem kampioneve qe i jane nenshtuar testimit.
 Ky raport testimi nuk mund te riprodhohet ne menyre te pjesshme pa aprovimin me shkrim te ketij Laboratori!!!
 This report belongs only to the sample under the test.
 It is forbidden to copy this report or part of it without permission of the lab!!!

NORD COMAT

HEAD OFFICE - TIRANE; Mob: +355 69 5250337 ; NIPT: L 08501501 Q

Tirane, Dajt, Rruga "Muhamet Deliu" Pallat I Firmes "DODAJ", Kati I, afer Restorant Fresku; Tel: 044 525511; E-mail: info@nordcomat.com



RAPORT TESTIMI NR / TEST REPORT N°:1637 /20

PERCAKTIMI REZISTENCES NDAJ NGRICAVE
DETERMINATION OF FROST RESISTANCE

Nr.Porosisë/Order n°: 0328/20
 Nr.Regjistrimit te mostres/Register n° of sample: 0400/20
 Porositesi/Purchaser: REALIZ sh.p.k
 Adresa/Address: Tiranë Kashar YZBERISH Rruga Tre Deshmoret, Pallati Ink, Kati I, Zona kadastrale 3866
 Mostra/Sample: Shkemb
 Data e marrjes se mostres/Date of Sampling: 01.06.2020
 Data e testimit/Date of test: 20.06.2020
 Data e leshimit raportit/Issued date of report: 20.06.2020
 Metoda e testimit/Test Method: S SH EN 12371:2010
 Numri faqeve/Number of page: 1-1

REZULTATET E TESTIMIT TEST RESULT:			VLERA E MOSTRAVE VALUE OF SAMPLES						
PERSHKRIMI DESCRIPTIONS	NJESIA UNIT		1	2	3	4	5	6	7
Inspektimi vizual Visual inspection			Dëmtim i nje rendesie te vogel (rrotullime te vogla ne qoshe dhe skaje) qe nuk kompromentojne integritetin e mostres Damage of minor importance (minor rounding of corners and edges) that do not compromise the integrity of the specimen)						
Masa e ngopur e mostres pas zhytjes ne uje, para ngrirjes Saturated mass of the specimen after immersion in water,prior to freezing	(Mso)	g	303.9	296.6	299.1	286.7	308.4	290.8	295.6
Masa e dukshme e mostres ne uje, para ngrirjes Apparent mass of the specimen in water,before freezing	(Mho)	g	203.1	197.9	198.4	189.1	206.9	191.5	196.7
Volumi i dukshem i mostres para ngrirjes Apparent volume of the specimen before freezing	(Vbo)	ml	100.8	98.7	100.7	97.7	101.6	99.3	98.9
Masa e ngopur e mostres ne 14 cikle Saturated mass of the specimen at 14 cycles	(Msn)	g	303.9	296.6	299.1	286.7	308.4	290.8	295.6
Masa e dukshme e mostres ne uje, ne 14 cikle Apparent mass of the specimen in water,at 14 cycles	(Mhn)	g	203.3	198.0	198.7	189.2	206.9	191.7	196.7
Volumi i dukshem i mostres ne 14 cikle Apparent volume of the specimen at 14 cycles	(Vbo)	ml	100.6	98.6	100.4	97.5	101.5	99.1	98.8
Volumi i dukshem i mostres i modifikuar Modified apparent volume of the specimen	(Δ Vb)	%	0.2	0.1	0.3	0.2	0.1	0.2	0.1
Rezistenca ne ngjeshje para ngrirjes Compressive Strength before freezing	Mpa		166						
Rezistenca ne ngjeshje pas 14 ciklesh Compressive Strength after 14 cycles	Mpa		155						

Shenime

Note:

TESTUESI
TESTED BY

Eng. Donila TURTULLI

PERGJEGJESI LABORATORIT
CHIEF OF LABORATORY

Eng. Aranit KACDEDJA



Ky raport testimi i referohet vetem kampioneve qe i jane nenshtuar testimit.

Ky raport testimi nuk mund te riprodhohet ne menyre te pjesshme pa aprovimin me shkrim te ketij Laboratori!!!

This report belongs only to the sample under the test.

It is forbidden to copy this report or part of it without permission of the lab!!!



RAPORT TESTIMI NR. / TEST REPORT N° : 1754/20

ANALIZA PER VETITE KIMIKE TE AGREGATEVE DHE GURIT NATYROR
TEST FOR CHEMICAL PROPERTIES OF AGGREGATES AND NATURAL STONE

Nr.Porosise / Order n°: 0346/20
 Nr.Regjistrimit te mostres/Register n° of sample: 0423/20
 Porositesi/Purchaser: "REALIZ" Shpk
 Adresa/Address: Tiranë Kashar YZBERISH Rruga Tre Deshmoret,
 Pallati Ink, Kati I, Zona kadastrale 3866
 Shkemb
 Mostra/ Sample:
 Data e marrjes se mostres/Date of Sampling: 05.06.2020
 Data e testimit/Date of test: 11.06.2020
 Metoda e testimit/ Test Method: SSH EN 1744-1 + A1:2012/S SH EN 196-2:2016
 Numri i faqeve/Number of Page: 1-1.

Pershkrimi Description	Njesia Unit	Rezultatet Results
Percaktimi i kriprave te tretshme ne uje Cl Determination of water-soluble chloride salts(Cl)	%	0.001
Percaktimi i sulfateve te tretshme ne uje SO3 Determination of water-soluble sulfates (SO3)	%	0.001
Percaktimi i SO3 te tretshem ne acid Determination of acid soluble sulfates (SO3)	%	0.05
Percaktimi i sqfurit total S Determination of total sulfur content (S)	%	0.02
Percaktimi i humbjeve ne kalcinim Determination Loss ignition	%	0.85
Percaktimi i permbajtjes se SiO ₂ Determination of Silica Content (SiO ₂)	%	48.90
Permbajtja e oksideve te aluminit Al ₂ O ₃ Determination of Aluminium Oxide Content (Al ₂ O ₃)	%	1.00
Permbajtja e oksideve te kalciumit CaO Determination of Calcium Oxide Content (CaO)	%	0.01
Permbajtja e oksidit te hekurit Fe ₂ O ₃ Determination of Iron Oxide Content (Fe ₂ O ₃)	%	47.45
Permbajtja e oksideve te magnezit MgO Determination of Magnesium Oxide Content (MgO)	%	0.01

TESTUESI
TESTED BY

Eng.Donila TURTULLI

PERGJEGJESI LABORATORIT

CHIEF OF LABORATORY

Eng.Aranit KACEDJA



Ky raport testimi i referohet vetem kampioneve qe i jane nenshtruar testimit.

Ky raport testimi nuk mund te riprodhohet ne menyre te pjesshme pa aprovimin me shkrim te ketij Laboratori!!!

This report belongs only to the sample under the test.

It is forbidden to copy this report or part of it without permission of the lab!!!

NORD COMAT

HEAD OFFICE - TIRANE; Mob:+355 684098814 NIPT: L 08501501 Q

Dajt, Rruga "Muhamet Deliu" Pallat I Firmes "DODAJ", Kati I, afer Restorant Fresku; Tel 044525511; E-mail: nordcomat@yahoo.com