

TEST REPORT

MÉLYÉPÍTŐ LABOR Kft.
 Budapesti Központi Laboratórium
 1144 Budapest, Füredi u. 74-76.

Fax: +36 1 2711 051; E-mail: info@melyepitolabor.hu
 On nr. NAH-1-1383/2016 accredited laboratory by NAT.



The test report has 1 numbered page.

Testing hardened concrete Part 3: Compressive strength of test specimen

MSZ EN 12390-3:2009

Customer: **Exoline LTD** Cím: England RH 19 4LZ No. of sample: **0004**
 Administrator: **Maksa Márta** Reg.num.: M/2019/03/ 1025.1110
 Identifier: Num.of work: **0001**
 Location: **Exoline Indoor plaster**

Related documents' identifiers: Date of sampling: **11.02.2019**
 Sampling report: **19/03/1025.9990** Type of sampling:
 Measuring records: **19/03/1025.1110** Date of arrival: **11.02.2019**
 Date of test: **11.03.2019**

1.SAMPLING DATAS

SAMPLER: **Nemes Zoltán** PLACE OF SAMPLING: **Labor**
 NUM. OF TEST PCS.: **3 pcs** SIGN: **BV1-BV3** **150x150x150 cube**
 PURPOSE OF TEST: **RELIMINARY (INF.)**
 REQUESTED TIME FOR EXAM.: **11.03.2019** ARRIVED: **11.02.2019** AGE: **28 days**

2.TECHNOLOGICAL DATAS:

PLACE OF MIXING, TYPE OF MACHINE: **Mélyépítő Labor Kft.**

PLANNED QUALITY: **--**

COMPOSITION: **Name Origin Mass W/C:**

NR. OF RECIPE:	Name	Origin	Mass	W/C:
Indoor plaster	CEMENT:	CEM III/A-S 42,5 N	380 kg/m ³	
	AGGREGATES:	OH 0/1	2000 kg/m ³	

CHEMICALS: **EXOLINE** **10,00 kg/m³**

ADDITIVES: **MAPEI tile adhesive** **32,0 kg/m³**
 kg/m³

FOLLOW-UP CARE:

3.BUILD-IN DATAS:

PLACE OF BUILDING-IN: **Trial mix**
 NAME OF CONSTRUCTION:
 STRUCTURE: **Laboratory trial mix** SIGN: AMOUNT: **m³**

4.TESTING DATA

Sing of test pieces	Weight(g)	Sizes (mm)			Breaking power(kN)	Density (kg/m ³)	Entity strength f _{ci} (N/mm ²)	Average strength: f _{cm} = 6,5 N/mm²
		Pressed surface	Height	Height				
BV1	5560	150,0	150,0	150,0	155,3	1650	6,9	
BV2	5520	149,9	149,8	150,0	145,6	1640	6,5	
BV3	5490	150,0	150,0	149,9	140,3	1630	6,2	

Notes:

The laboratory makes all detailed results available for customer at request.

Name (nr.) of tool: ShinkoDenshi scale 12/06 VI.

Caliper 300 mm

Name (nr.) of tool: Controls digital concrete crusher 02116404

Right angle(Szalkai) 3614/2004



Date: **Budapest 03.04.2019**

Nemes Zoltán
 signature of tester

Morva Bence
 technical head

The report's test results concerns only the tested items.
 Without the tester laboratory's written authorization this report copiable only in full volume!

TEST REPORT

MÉLYÉPÍTŐ LABOR Kft.

Budapesti Központi Laboratórium

1144 Budapest, Füredi u. 74-76.
 Fax: +36 1 2711 051; E-mail: info@helyepitolabor.hu
 On nr. NAH-1-1383/2016 accredited laboratory by NAT.



MÉLYÉPÍTŐ LABOR KFT

The test report has 1 numbered page.

Mix-designing

MSZ EN 12390-8:2009

Customer: **Exoline LTD** Cim: England RH 19 4LZ No. of sample: **0004**
 Administrator: **Maksa Márta** Reg.num.: M/2019/03/ 1025.1230
 Identifier: Num.of work: **0001**
 Location: **Exoline Indoor plaster**

Related documents' identifiers:
 Sampling report: **19/03/1025.9990** Date of sampling: **11.02.2019**
 Measuring records: **19/03/1025.1230** Type of sampling:
 Date of arrival: **11.02.2019**
 Date of test: **11.03.2019**

1.SAMPLING DATAS

SAMPLER: **Nemes Zoltán** PLACE OF SAMPLING: **Labor**
 NUM. OF TEST PCS.: **3 pcs** SIGN: **BV1-BV3**
 PURPOSE OF TEST: **RELIMINARY (INF.)**
 REQUESTED TIME FOR EXAM.: **11.03.2019** ARRIVED: **11.02.2019** AGE: **28 days**

2.TECHNOLOGICAL DATAS:

PLACE OF MIXING, TYPE OF MACHINE: **Mélyépítő Labor Kft.**PLANNED QUALITY: **-/**

COMPOSITION:

NR. OF RECIPE:	Name	Origin	Mass	W/C:
Indoor plaster	CEMENT:	CEM III/A-S 42,5 N	DDC Vác	380 kg/m³
	AGGREGATES:	OH 0/1		2000 kg/m³

CHEMICALS:	EXOLINE	10,00 kg/m³
------------	----------------	-------------------------------

ADDITIVES:	MAPEI tile adhesive	32,0 kg/m³ kg/m³
------------	----------------------------	---

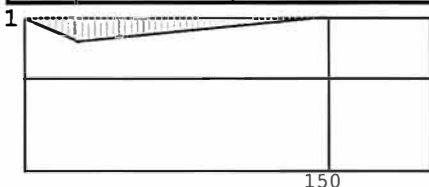
FOLLOW-UP CARE:

3.BUILD-IN DATAS:

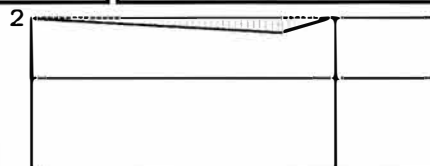
PLACE OF BUILDING-IN: **Trial mix**
 NAME OF CONSTRUCTION:
 STRUCTURE: **Laboratory trial mix** SIGN: AMOUNT: **m³**

4.TESTING DATA

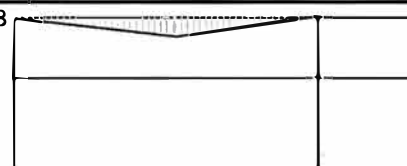
Test piece sign	Rate of water penetr. [mm]	Testing pressure [bar]	
1	19	5	
2	16	72	
3	18		
		Test begin	11.03.2019 10:00
		Test end	14.03.2019 10:00



150



150



150

The laboratory makes all detailed results available for customer at request.

Notes:

Name (nr.) of tool: Controls digital concrete breaker 02116404
 Name (nr.) of tool: Caliper 300 mm -

Incandescence tester 04/2002
 Pressure gauge RK075582

6. stamp

 stamp
 1144 Budapest, Füredi u. 74-76.
 MÉLYÉPÍTŐ LABOR KFT.

Nemes Zoltán
 signature of tester

Morvay Bence
 technical head

Date: Budapest, 03.04.2019

The report's test results concerns only the tested items.
 Without the tester laboratory's written authorization this report copiable only in full volume!

TEST REPORT
MÉLYÉPÍTŐ LABOR Kft.
 Budapesti Központi Laboratórium
 1144 Budapest, Füredi u. 74-76.
 Fax: +36 1 2711 051; E-mail: info@melyepitolabor.hu



The test report has 1 numbered page.

Determination of the flexural strength of test specimens
Testing hardened concrete
MSZ EN 12390-5:2009

Customer: **Exoline LTD** Cim: England RH 19 4LZ No. of sample: **0004**
 Administrator: **Maksa Márta** Reg.num.: M/2019/03/ 1025.1120
 Identifier: Num.of work: **0001**
 Location: **Exoline Indoor plaster**

Related documents' identifiers:
 Sampling report: **19/03/1025.9990** Date of sampling: **11.02.2019**
 Measuring records: **19/03/1025.1120** Type of sampling:
 Date of arrival: **11.02.2019**
 Date of test: **11.03.2019**

1.SAMPLING DATAS

SAMPLER: **Nemes Zoltán** PLACE OF SAMPLING: **Labor**
 NUM. OF TEST PCS.: **3 pcs** SIGN: **BV1-BV3** **160x 40x 40 cube**
 PURPOSE OF TEST: **RELIMINARY (INF.)**
 REQUESTED TIME FOR EXAM.: **11.03.2019** ARRIVED: **11.02.2019** AGE: **28 days**

2.TECHNOLOGICAL DATAS:

PLACE OF MIXING, TYPE OF MACHINE: **Mélyépítő Labor Kft.**

PLANNED QUALITY: **--**

COMPOSITION: Name Origin Mass W/C:

NR. OF RECIPE:	CEMENT:	CEM III/A-S 42,5 N	DDC Vác	380	kg/m ³
Indoor plaster	AGGREGATES:	OH 0/1		2000	kg/m ³

CHEMICALS: **EXOLINE** 10,00 kg/m³

ADDITIVES: **MAPEI tile adhesive** 32,0 kg/m³
 kg/m³

FOLLOW-UP CARE:

3.BUILD-IN DATAS:

PLACE OF BUILDING-IN: **Trial mix**
 NAME OF CONSTRUCTION:
 STRUCTURE: **Laboratory trial mix** SIGN: AMOUNT: **m³**

4.TESTING DATA

TEST METHOD: **force on one point**

Form correctness: **Differing from surface plane (0,0005 d):**

DEGREE BETWEEN ATTACHED SIDES (90° ± 0,5°):

Signon test piece	Weight m (g)	Sizes (mm)			Comp.force F (kN)	Density ρ (kg/m ³)	Flexural strength f _{cf} (N/mm ²)	
		Length L	Width d ₁	Height d ₂				
BV01	398	160,0	40,4	40,0	0,8	1539	1,90	
BV02	402	159,9	40,0	39,9	0,9	1575	2,10	
BV03	405	160,0	40,0	40,0	0,9	1582	2,10	

Average: 1565 2,03

Notes:

The laboratory makes all detailed results available for customer at request.

A study focusing on acting with a load occurred

Calculated value to force on two points:

1,7 1,9 1,9 Average: 1,8 N/mm²

Name (nr.) of tool: Tensile and compressive strength measuring machines 282/63 Caliper 300 mm Right angle (Szalkai) 3614/2004
 Name (nr.) of tool: Ishida scale 5081484 Sola measuring tape

stamp
 1144 Budapest Füredi u. 74-76.
 VITSCSÁLATI REGYÖZKÖNYV
 Date: Budapest, 03.04.2019

Nemes Zoltán
 signature of tester

Worvay Bence
 technical head

The report's test results concerns only the tested items.
 Without the tester laboratory's written authorization this report copiable only in full volume!

TEST REPORT

MÉLYÉPÍTŐ LABOR Kft.
 Budapesti Központi Laboratórium
 1144 Budapest, Füredi u. 74-76.

Fax: +36 1 2711 051; E-mail: info@melyepitolabor.hu
 On nr. NAH-1-1383/2016 accredited laboratory by NAT.



The test report has 1 numbered page.

Examination of adhering-solidity
Examination of adhering-solidity and thickness
 ÚT 2-3.406:2000 M1 melléklet

Customer: **Exoline LTD** Cím: England RH 19 4LZ
 Administrator: **Maksa Márta**
 Identifier:
 Location: **Exoline Indoor plaster**

No. of sample: **0004**
 Reg.num.: M/2019/03/ 1025.1950
 Num.of work: **0001**

Related documents' identifiers:
 Sampling report: **19/03/1025.9990**
 Measuring records: **19/03/1025.1950**

Date of arrival: **11.02.2019**
 Date of test: **11.03.2019**

Names of tested pieces:

Test places:

1.Surveying:**2.Test**

Test places	Leolv. kN	Cohesive strength (N/mm ²)		Fracture image
		entity	avg.	
1	0,6	0,60	0,5	
	0,5	0,40		
	0,4	0,50		
	0,4	0,40		
	0,5	0,50	0,5	
	0,4			
	0,6			
	0,4			

The laboratory makes all detailed results available for customer at request.
 Notes:

The accuracy of measurement: 1,6%

Name (nr.) of tool:
 Name (nr.) of tool:

6. |
 stamp
 1144 Budapest, Füredi u. 74-76.

Nemes Zoltán
 signature of tester

Marvay Bence
 Technical head

Date: Budapest, 03.04.2019

The report's test results concerns only the tested items.
 Without the tester laboratory's written authorization this report copiable only in full volume!