

TEST REPORT

Nº 2680/18

 10.07.2018 nr 7-6.4/2941
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Client: Megatrade OÜ – Kaido Randalu

Description of job: Testing of stabilized soils.

Samples:
Object India

Place of sampling India

Date of taking samples and sampler
Date of delivering samples and deliverer

/ - /

 15.02.2018 14:00,
 -, Balti Logistika OÜ

Clients marking of samples:
Reg. Number in laboratory:

 Sand
 Gravel
 Mixture

 1009
 1010
 1011

Testing and results

Specimens were made according to EVS-EN 13286-2, using modified Proctor. Compaction was made with 4,5kg hammer in 5 layers and every layer got 25 blows. The falling height of the hammer was 457mm. After the compaction the specimens were covered in plastic to reduce the loss of moisture.

The composition of the mix is shown in Table 1.

The specimens were held in a climate room in temperature 20±2 °C, relative humidity 65±5 %. From 7th day 3 specimens (55,58,61) were put in to water at 40±2 °C, where they were until 28th day.

The density of samples (without drying) was determined according to EVS-EN 12697-6 (method D). Compressive strength was determined according to *EVS-EN 13286-41.

* - not accredited by Estonian Accreditation Centre.

Table 1. The composition of mixes

Reg. Nr.	Sand,%	Gravel, %	Binder, %	Percentages		Water, %
				Binder, %		
				Cement, %	Stabilroad, %	
55-63	50	50	12	97,5	2,5	11

Table 2. Results of compressive strength

Laboratory designation	Type of conditioning	Age of the specimens	Specimen measurements, mm		Mass of specimen, g	Density, kg/m ³	Crushing force, kN	Compressive strength, N/mm ²	Average compressive strength, N/mm ²	Water content after testing, %
			d	H						
55	7 days in climate chamber, 21 days in water	28	101,0	120,1	2203	2289	88,0	11,0	9,9	9,5
58			100,4	121,9	2181	2260	81,8	10,3		-
61			100,1	122,1	2191	2280	66,4	8,4		-
56	28 days in climate chamber		100,7	121,2	2188	2267	50,4	6,3	6,3	-
59			100,8	122,0	2180	2239	49,3	6,2		-
62			100,6	121,8	2157	2228	50,2	6,3		8,0

The test results apply only to the tested samples

Position Deputy head of Laboratory Name Mark Meikas /digitally signed/

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