



Customer:

AS Uninaks

Forelli11  
10612 TALLINN

12.06.2020

**Experimental Report N° 421/20**

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Assignment: Testing of mortar for masonry.

Product designation: Dry mix of mortar for masonry, marked as „**Müürisegu M 100, 30.04.20, liin 06**”.  
Forwarded to the laboratory by customer on 13.05.2020 (25 kg).

Test method: EN 1015 „Methods of test for mortar for masonry”.

Content of water-soluble chloride was determined in accordance with EN 1015-17. The analytical sample of mass 12 g was obtained by manual grinding. The values of chloride content are given in table 1.

Fresh mortar was prepared in accordance with EN 1015-2 using water quantity, specified by manufacturer  $w = 0.17$ . Mortar was mixed in mixer according to EVS-EN 196-1 and the following mixing procedure: mixing 1,5 min + maturing time 3 min + mixing 1 min. The flow value was determined in accordance with EN 1015-3 and it was **136 mm**. For determination of the compressive strength of hardened mortar, three test specimens with dimensions 40x40x160 mm were prepared according to EN 1015-11. Test specimens were cured: at temperature  $(20 \pm 2) ^\circ\text{C}$  and relative humidity  $(95 \pm 5) \%$  2 days in the mould and 5 days with the mould removed and after that at temperature  $(20 \pm 2) ^\circ\text{C}$  and relative humidity  $(65 \pm 5) \%$  21 days with the mould removed. For compressive strength test specimens were broken into two halves to provide six half prisms. The compressive strength was determined in accordance with EN 1015-11. The results are given in table 2.

Test results:

Table 1: Water-soluble chloride content of mortar for masonry, marked as „**Müürisegu M 100, 30.04.20, liin 06**” in accordance with EN 1015-17

Testing date	Water-soluble chloride content by mass, %		
	individual		mean
14-15.05.20	0.012	0.011	0.012

Table 2: Compressive strength of mortar for masonry, marked as „**Müürisegu M 100, 30.04.20, liin 06**” in accordance with EN 1015-11

Preparing date	Testing date	Age, days	Compressive strength, N/mm <sup>2</sup>		mean
			individual		
15.05.20	12.06.20	28	14.85	13.20	14.0
			14.30	14.65	
			13.20	13.85	

The test results are valid to the described test sample only.

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