TALLINN UNIVERSITY OF TECHNOLOGY
Department of Civil Engineering and Architecture
RESEARCH AND TESTING LABORATORY OF BUILDING MATERIALS
Accredited by the Estonian Accreditation Centre reg nr L004

Customer:
AS Uninaks

Forelli11
10612 TALLINN

10.11.2020

Experimental Report N° 1089/20

Assignment: Testing of dry mix for concrete, building site **Kalaranna 8**.

Product designation: Dry mix of concrete, marked as **Vertical Jointing concrete VVB 50: 28.08.20**.

Forwarded to the laboratory on 01.10.2020, 25 kg, in original product package.

Test methods: EN 12350 and EN 12390.

Fresh concrete for moulding the specimens was prepared using water quantity **w = 0.17** and the following mixing procedure: mixing 1,5 min + maturing time 3 min + mixing 1 min, both specified by manufacturer. For determination of the compressive strength of hardened concrete, six test specimens with dimensions 150x150x150 mm were prepared according to EN 12390-2. Test specimens were cured 1 day in the mould and after that with the mould removed in water at temperature (20±2) °C until the compressive strength test at age 7 and 28 days. The compressive strength was determined in accordance with EN 12390-3.

Test results:

Date of		Age,	Dimensions, mm			A,	Mass,	Density	F,	Compressive strength, N/mm²	
moulding	testing	days	a	b	h	cm²	kg	kg/m³	kN	single	average
13.10.20	20.10.20	7	150,0	151,0	150,0	226,5	7,443	2190	914	40,4	41,6
			150,0	150,0	150,5	225,0	7,422	2190	979	43,5	
			150,0	149,0	150,5	223,5	7,318	2180	913	40,9	
	10.11.20	28	150,0	152,0	151,0	228,0	7,517	2180	1184	51,9	51,0
			150,0	152,0	150,0	228,0	7,448	2180	1193	52,3	
			150,0	150,0	150,0	225,0	7,413	2200	1098	48,8	

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

Margit Rosenberg
Acting Manager of the Laboratory