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:
Betotrade OÜ

Tapri 13
11415 Tallinn

02.04.2020

Experimental Report N° 226/20

Assignment: Testing of screed material for floors.

Product designation: Dry mix of screed material for floors, marked as **„Betotop 2“**.

Forwarded to the laboratory by manufacturer on 27.02.2020.

Test method: EVS-EN 13892 Methods of test for screed materials –
Part 1: Sampling, making and curing specimens for test
Part 2: Determination of flexural and compressive strength.

Fresh mortar was prepared in accordance with EVS-EN 13892-1, using water quantity specified by manufacturer w = 0.10. Mortar was mixed using mortar mixer which corresponds to standard EVS-EN 196-1. Test samples with dimensions (40x40x160) mm were cast according to EVS-EN 13892-1 method b (5.3). Moulds were filled in two equal layers, each layer was fully compacted by shocktable. The test specimens were stored two days in moulds, after demoulding five days at temperature of (20±2) °C and relative humidity of (95±5) % and further 21 days at temperature of (20±2) °C and relative humidity of (65±5) %.

Flexural strength was determined 28 days after casting with three specimens and compression test was determined with six specimens resulting from the flexural test according to EVS-EN 13892-2.

Test results:

Product designation	Compaction mode	Preparing date	Testing date	Flexural strength, N/mm²		Compressive strength, N/mm²		
				individual	mean	individual		mean
Screed material for floors **„Betotop 2“**	shocktable	04.03.20	01.04.20	11.20	11.3	77.05	78.50	77.8
				11.30		77.40	77.95	
				11.50		78.40	77.55	

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

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