TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p.
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L 1018.3

TEST REPORT

issued by Testing Laboratory No. 1018.3
accredited pursuant to ČSN EN ISO/IEC 17025:2018 by Czech Accreditation Institute

No. 020-049509

on test of - water vapour permeability
- water penetration rate
- bond strength
- bridging of cracks

Customer:	Naici Italia srl
Address:	Via Chiavari 35, 00048 Nettuno (Roma), Italia
Company ID:	IT 02815240599
Plant :	Via Chiavari 35, 00048 Nettuno (Roma), Italia
Test sample:	NAILASTIC BIT
Order No.:	Z020230398

Number of pages of the Test Report incl. title page: 3 Pages of Annexes: -

Prepared by:

Ing. Dana Pilařová
specialist

Approved by:

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. Akreditovaná zkušební laboratoř č. 1018.3 ZÚS Zkušebna České Budějovice Centrální laboratoř

Ing. Vilém Migl
manager of the testing department

Print No.: 1
Number of prints: 2

České Budějovice, on 29.1.2024

razítko zkušební laboratoře č. 1018.3

Declaration: **1) The test results in this Report relate only to the tested article and they do not substitute any other documents**
2) The Test Report must be copied as a whole only otherwise a written consent of the testing laboratory is needed.

1. Sample data

Sample:	NAILASTIC BIT
Evidence Number:	VZ020234778
Order:	date 26.10.2023
Date of sample delivery:	27.10.2023
Sampling method	original intact packaging
Method of the sample preparation:	1. layer NAILASTIC BIT + 5% water, TEX-CORE 130, NAILASTIC BIT (undiluted), technological pause 5 hours 2. layer NAILASTIC BIT (undiluted), technological pause 16 hours 3. layer NAILASTIC BIT (undiluted) Samples were deposited 28 days in air-conditioned climate with 23°C and 50 % rel. humidity. Thickness of layer after drying: 1.2 mm

Data of sampling conditions, plan and sampling procedure, if necessary, the name of the person performing the sampling are listed in the minutes of sampling, which is stored in the testing department.
The results apply to the sample as received.

2. Test methods

Identification of the test method		Title of the test method
ČSN EN 1542	Products and system for the protection and repair of concrete structures - Test methods - Measurement of bond strength by pull-off	Measurement of bond strength by pull-off
ČSN EN ISO 7783	Paints and varnishes - Determination of water-vapour transmission properties - Cup method	Determination of water vapour transmission rate
ČSN EN 1062-3	Paints and varnishes - Coating materials and coating systems for exterior masonry and cocrete - Part 3: Determination and classification of liquid-water transmission rate (permeability).	Determination of water permeability
ČSN EN 14891, method A.8	Liquid-applied water impermeable products for use beneath ceramic tiling bonded with adhesives - Requirements, test methods, evaluation of conformity, classification and designation	Determination of the crack bridging

Deviations from a standard procedure or the use of non-standardized methods: were not applied.

3. Test results

The tests were carried out on:	14.11. – 20.12.20223
The tests were performed by:	Ing. Dana Pilařová, Jan Lenc
Place of testing:	Testing Department České Budějovice

Date about person performing the test, testing equipment and about test conditions are listed in test minutes. All measurement and test equipment are calibrated according to valid plan of the testing department.

TECHNICKÝ A ZKUŠEBNÍ ÚSTAV STAVEBNÍ PRAHA, s.p. Akreditovaná zkušební laboratoř č. 1016.3 Zkušebna České Budějovice Centrální laboratoř

3.1 Determination of the bond strength by pull-off test acc. to EN 1542

Substrate	Bond strength [MPa]		Rupture typology
Concrete (EN 1766)	particular values	0.8 0.8 0.8 0.7 0.8	100 % B (in the plaster) 100 % B (in the plaster) 100 % B (in the plaster) 100 % B (in the plaster) 100 % B (in the plaster)
	average value	0.8	

3.2 Determination of the water penetration rate acc. to EN 1062-3

Substrate	Water penetration rate [kg/(m^2.h$^{0.5}$)]	
Sand-lime brick	particular values	0.07 0.05 0.04
	average value	0.05

3.3 Determination of the water vapour permeability acc. to EN ISO 7783

The test on water vapour permeability was carried out on a plate of glass frit under conditions of 50 % RH, 23°C.

	Equivalent diffusion thickness s_d [m]	Water vapour permeability V [g/(m^2.24hrs)]
particular values	1.88 1.81 1.75	10.8 11.2 11.7
average value	1.82	11.2

3.4 Determination of bridging of cracks acc. to EN 14891, A.8

	Value determined	
	partial	average
23°C – elongation at the failure	16.25 mm 15.84 mm 16.30 mm	16.13 mm
-20°C – elongation at the failure	4.63 mm 4.50 mm 4.47 mm	4.53 mm

END OF THE TEST REPORT

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