



INSTITUTE FOR TESTING AND CERTIFICATION, INC.

trída Tomáše Bati 299, Louky, 763 02 Zlín, Czech Republic

REPORT on assessing the performance of the construction products

No. 7535 01858 / 2020 / RF

Content: REPORT on assessing the performance of the construction product on the basis of testing, *in accordance with the Regulation (EU) No. 305/2011 of the European Parliament and of the Council, as amended*

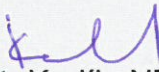
Product: **BETONSEAL MS 2.0**
One component and neutral sealant based on MS Polymer

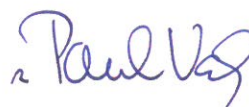
Manufacturer: **NORD RESINE SPA**

Address: Via Fornace Vecchia, 79
31058 Susegana (TV), Italy

Issued on: 06.08.2020

Number of pages: 4

Written by: 
Petr Karlík, NB 1023



Mgr. Jiří Heš

Representative of the Notified Body No. 1023

Introduction

This report was elaborated on the basis of the application No. 753501858 of 2020-02-17 and tests results carried out by the notified testing laboratory in accordance with the procedure mentioned in the article 1.4 of the Annex V to the Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011 laying down harmonised conditions for the marketing of construction products („CPR“), as amended.

1. Specification of the subject of determination

Table 1.A – Specification of the products

<i>Product</i>	One component and neutral sealant based on MS Polymer
<i>Type</i>	BETONSEAL MS 2.0
<i>Technical specifications</i>	EN 15651-1:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements EN 15651-2:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing
<i>Manufacturer</i>	NORD RESINE SPA, Via Fornace Vecchia, 79, 31058 Susegana (TV), Italy

2. Samples specification

Table 2.A – Samples takeover

<i>Samples submitted</i>	<input checked="" type="checkbox"/> by post <input type="checkbox"/> by courier <input type="checkbox"/> personally
<i>Samples description</i>	Sealant: 12 cartridges, each with a volume of 290 ml Primer NORPHEN FONDO IGRO, 100 ml
<i>Samples taken over by</i>	Petr Karlik
<i>Date of receipt</i>	2020-02-27
<i>ITC designation</i>	753501858/1

3. Testing results

Table 3.A – Related documentation

<i>Test reports</i>	Test Report of the Accredited Laboratory No. 753501858-02, ITC, a. s. Zlín, Accredited testing laboratory No. 1004, 2020-07-17
---------------------	--

Details on reaction to fire testing and classification:

Test equipment: Combustion chamber, mechanical stop-watch, burner according to EN ISO 11925-2, metal length gauge

Conditioning: Temperature 23°C, (50 ± 5)% relative humidity, 28 days

Test conditions:

Temperature 23°C, position of the sample: vertical; heating medium: propane; flame height: 20 mm; burner position: 45°; flame application time: 15 s; test specimens: see EN 15651-1, cl. 4.6.2, EN 15652-2, ci. 4.5.2 or EN 15651-3, cl. 4.5.2 (identical texts); number of test specimens: 5, substrate: beech

Exposure conditions: surface exposure according to clause 7.3.3.1 of the standard

Detector – filter paper

Test results are presented in the following Table 3.D, together with the comments describing test progress.

Table 3.B: Test results of reaction to fire for BETONSEAL MS 2.0

Characteristic measured	Unit	Test sample No.				
		1	2	3	4	5
Ignition of the specimen YES/NO	-	NO	NO	NO	NO	NO
Whether the flame tip reaches 150 mm YES/NO	-	NO	NO	NO	NO	NO
Time taken to burn the distance of 150 mm	s	-	-	-	-	-
Ignition of the filter paper YES/NO	-	NO	NO	NO	NO	NO

Test specimens don't ignite during the test. Neither burning residues nor particles fall off and therefore the filter paper placed beneath the test specimen doesn't ignite. The specimens are a little bit damaged at the contact point of the flame after the testing – slight melted trace of the flame.

Classification procedure

Classification was performed in accordance with the standard EN 13501-1 "Fire classification of construction products and building elements – Part 1: Classification using test data from reaction to fire tests".

Requirement for classification into the class E:

Being tested according to EN ISO 11925-2, under conditions of surface flame attack, with 15 s exposure time, there shall be no flame spread in excess of 150 mm vertically from the point of application of the test flame within 20 s from the time of application.

Construction product classification

The tested product **BETONSEAL MS 2.0** meets the requirements for classification into the class E;

It is classified into the **class E**

by reaction to fire according to EN 13501-1.



4. NB 1023 conclusions

Notified Body NB 1023 has carried out the assessment of the performance of the construction product in accordance with the paragraph 1.4 of Annex V to the Regulation (EU) No 305/2011 for the product specified in the Chapter 2 of this Report.

This Report is applicable only to products identically marked and named, such as those which were the subject to determine the product-type, provided that the products characteristics have not been changed or no significant changes in their production (materials, technology, manufacturing equipment, etc.) have been done.

5. List of documents used to elaborate the report

- Application No. 753501858
- Technical Data Sheet; BETONSEAL MS 2.0. Monocomponent sealant for waterproofing systems based on BETONGUAINA and BETONGUAINA.S, NORD RESINE SPA
- Safety Data Sheet according to Annex II to REACH – Regulation 2015/830; 770 - BETONSEAL MS 2.0, NORD RESINE S.p.A, 3. 10. 2019
- Harmonized standards
 - EN 15651-1:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 1: Sealants for facade elements
 - EN 15651-2:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways – Part 2: Sealants for glazing
- Test Report of the Accredited Laboratory No. 753501858-02, ITC, a. s. Zlín, Accredited testing laboratory No. 1004, 2020-07-17