

Testreport

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547525 Sâncraiu de Mureș, România

Order date: 2024-11-06

Subject: Determination of the behaviour during tensile test and after exposure to liquid chemicals on a sealing tape with the designation "Isolan Banda Armare NT"

Test basis: Test principles for the granting of a general building authority test certificate for waterproofing materials in conjunction with tiles and paving Part 1: Liquid-applied waterproofing materials (status May 2014)

Sampling: by the customer

This Testreport consists of 2 pages, including the cover sheet.

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1 Order

S.C. DAW BENȚA România S.R.L., Str. Principală nr. 201, 547525 Sâncraiu de Mureș, România commissioned the Civil Engineering Materials Testing Institute Braunschweig (MPA BS) with the determination of the behaviour during tensile tests and after exposure to liquid chemicals on a sealing tape with the designation " Isolan Banda Armare NT ".

2 Tests and results

"Isolan Banda Armare NT" is a double-sided PP fleece-coated elastic sealing tape made of NBR rubber. The overall thickness of the sealing tape is 0.71 mm. The weight is 57 g/RM.

The results of the tests, together with the test standard and the test conditions, are summarised in the table below.

Property	Test/ test conditions in accordance with test principles	Test result
Behaviour during tensile test	DIN EN ISO 527 Test specimen: 85 x 15 mm ² Clamping length: 60 mm Test speed: 50 mm/min Test atmosphere: DIN EN ISO 291-23/50-2	Maximum tensile force lengthwise x = 95.4 N/15 mm s = 5.96 across x = 57.5 N/15 mm s = 4.57 Elongation under maximum tensile force lengthwise x = 93.6 % s = 7.79 across x = 122 % s = 9.30
Behaviour after exposure to liquid chemicals	DIN EN 1847 Storage duration: 28 d test temperature: 40°C Medium: potassium hydroxide solution (3%) DIN EN ISO 527 Test specimen: 85 x 15 mm ² Clamping length: 60 mm Test speed: 50 mm/min	Maximum tensile force lengthwise x = 88.4 N/15 mm s = 2.51 across x = 49.9 N/15 mm s = 3.90 Elongation under maximum tensile force lengthwise x = 111% s = 5.64 across x = 131% s = 7.22 Change in maximum tensile force lengthwise x = - 7.3% (relative) across x = - 13.3% (relative) Change in expansion at maximum tensile force lengthwise x = + 18.6% (relative) across x = + 7.4% (relative)

Abbreviations: x = mean value, s = ± standard deviation

In accordance with the test principles for the granting of a general building authority test certificate for liquid-applied waterproofing materials for use beneath tiling bonded with adhesives (status May 2014), Section 3.6.1 (alkali-resistance), the test is deemed to have been passed if the change in the expansion at maximum tensile force (test direction across) is less than ± 20%.

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