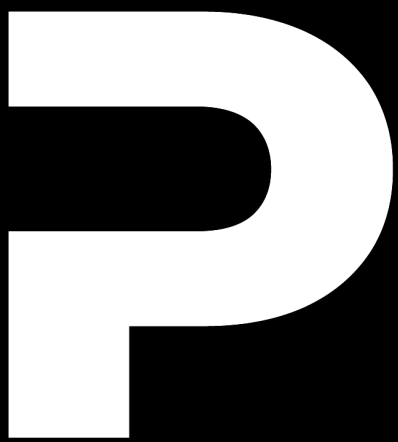




SLIP RESISTANCE

Puraboard

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PURABOARD

Slip Resistance Technical Report

This document presents the available slip-resistance test data for Puraboard decking. Slip-resistance information is intentionally presented separately from the main Puraboard Technical Datasheet.

HEADLINE RESULTS – INDEPENDENTLY TESTED BY INTERTEK			
DIN 51130 RATING	RAMP ANGLE	DRY PENDULUM (MEAN)	WET PENDULUM (MEAN)
R11	21.6°	90–96	68–72

01 – PRODUCT IDENTIFICATION

Product identification

PROPERTY	
Product name	Puraboard
Product type	Polyurethane-foam outdoor decking board
Board dimensions	176 mm wide × 22 mm thick
Intended application	Exterior decking and pedestrian deck surfaces

02 – OVERVIEW

Slip-resistance overview

Puraboard has been independently tested by Intertek using two methods:

- 01 A pendulum slip-resistance test in dry and wet conditions.
- 02 An oil-wet ramp test.

The results recorded strong slip resistance in both dry and wet conditions and an **R11 classification under DIN 51130**.

Pendulum slip-resistance testing

TEST STANDARDS

STANDARD	DESCRIPTION
EN 15534-1:2014+A1:2017, §6.4.2	Slipperiness testing for composite products
CEN/TS 15676:2007	Pendulum test method

SAMPLE CONDITIONING

PARAMETER	CONDITION
Conditioning period	96 hours
Temperature	23 ± 2 °C
Relative humidity	50 ± 5 %

PENDULUM TEST RESULTS

SURFACE	DIRECTION	MEAN PTV	MIN PTV
Dry	Longitudinal	90	78
Dry	Horizontal	96	88
Wet	Longitudinal	68	62
Wet	Horizontal	72	65

PTV = PENDULUM TEST VALUE · HIGHER IS MORE SLIP-RESISTANT

RESULT SUMMARY

CATEGORY	RESULT
Dry mean range	90–96
Dry minimum range	78–88
Wet mean range	68–72
Wet minimum range	62–65
Lowest recorded value	62

INTERPRETATION

- High slip resistance under dry conditions.
- Strong retained slip resistance under wet conditions.
- Consistent performance in both longitudinal and horizontal directions.
- Slightly higher values in the horizontal direction than in the longitudinal direction.

04 – RAMP TESTING

Oil-wet ramp testing

TEST STANDARD

DIN 51130:2014	Oil-wet ramp test for slip resistance
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TEST RESULT

Measured acceptance angle	21.6°
Classification	R11

DIN 51130 CLASSIFICATION RANGES

CLASS	ACCEPTANCE ANGLE
R9	6° < α ≤ 10°
R10	10° < α ≤ 19°
R11	19° < α ≤ 27°
R12	27° < α ≤ 35°
R13	More than 35°

The recorded acceptance angle of **21.6°** falls within the **R11** classification range.

05 – KEY VALUES

Key slip-resistance values

PROPERTY	RESULT
Dry pendulum mean values	90–96
Dry pendulum minimum values	78–88
Wet pendulum mean values	68–72
Wet pendulum minimum values	62–65
Oil-wet ramp angle	21.6°
DIN 51130 rating	R11

06 – SUMMARY STATEMENT FOR SPECIFIERS

Puraboard provides strong slip resistance in both dry and wet conditions. Independent testing by Intertek recorded dry pendulum mean values of 90–96 and wet pendulum mean values of 68–72. Puraboard also achieved an R11 classification under the DIN 51130 oil-wet ramp test.

07 – QUALIFICATIONS

Important qualifications

- 01 Results apply only to the samples and surface configuration tested.
- 02 Slip resistance may be affected by wear, contamination, maintenance, algae, ice, installation gradient and environmental conditions.
- 03 The test results do not replace a project-specific slip-risk assessment.
- 04 Appropriate cleaning and maintenance are necessary to preserve surface performance.
- 05 The product should be installed and maintained in accordance with the applicable Puraboard guidance.