



Bamboo-Green wave of innovation!

TECHNICAL COATING DATA SHEET

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Product Line: Bamboocore

Premium

Date: May 2026

Bamboocore coating specifications

This document features the technical performance indicators of the protective surface coating applied to Bamdura Bamboocore components. This advanced top coat guarantees superior mechanical stability and long-lasting protection under severe operational environments.



PLEASE NOTE: The test results and data below relate exclusively to the performance and properties of the coating layer.

Coating Characteristics (Before and After Application)

Condition in container (before application)

No hard lumps after stirring

Appearance of the coating (after curing)

Smooth and glossy surface

Coating Drying Times

Touch dry ≤ 30 minutes

Fully cured (load-bearing) ≤ 2 hours

Coating Mechanical Properties

Pencil hardness $\geq 2H$

Abrasion resistance (750 g / 500 r) ≤ 0.05 g weight loss

Tensile adhesive strength (standard conditions) ≥ 2.0 MPa

Tensile adhesive strength (after water immersion) ≥ 2.0 MPa

Coating Impact Resistance & Anti-slip

Light load (500 g steel ball) No cracking, no peeling

Heavy load (1000 g steel ball) No cracking, no peeling

Dry friction coefficient

≥ 0.5 (Coating Anti-slip)

Coating Chemical Resistance

Water resistance (168 hours)

No blistering or peeling. Slight discoloration permitted.

Oil resistance (120# solvent naphtha, 168 hours)

No blistering or peeling. Slight discoloration permitted.

Alkali resistance (20% NaOH, 72 hours)

No blistering or peeling. Slight discoloration permitted.

Acid resistance (10% H₂SO₄, 48 hours)

No blistering or peeling. Slight discoloration permitted.

Note: These technical specifications are determined under controlled laboratory conditions for the coating. For project-specific advice or application instructions, please contact Bamdura technical support.