

Blue Label Co., Ltd.

RHINOZ Flexi Sand

Categories Library Category, Naturals

MC MC 1024710

Description

A textured coating formulated for exterior flooring. It is composed of 3.6% polyaspartic polyure resin, 3.6% aliphatic polyisocyanate, and 92.8% sand. The coating is available in three parts: the two liquid ingredients and colored sand. The wet ingredients arrive in buckets, and the dry ingredient is bagged. The coating offers a natural sand and stone effect, with lasting color due to pigmented sandstone particles. It is a durable shield against foot traffic, UV rays, weather, moisture, mild chemicals, and wear, extending the project's lifespan. The coating is designed for concrete - both new and old concrete surfaces. To apply this coating, the concrete must first undergo surface preparation ensuring cleanliness, dryness, and structural integrity. Surfaces must be levelled with at least 4 mm (0.16 in) depth. Then a coat of primer is applied and dried for 4 - 6 hours. Once the primer has dried, the sand is mixed, layered onto the concrete surface using a trowel, and pressed to achieve a smooth and firm finish. The material requires 24 hours to dry and cures completely in 7 days, delivering a sturdy flooring solution. To confirm its suitability for flooring applications, RHINOZ Flexi Sand has undergone ASTM C109, ISO13007-4, and STMD4541 testing. During ASTM C109 testing, the coating demonstrated a 6.8 MPa (986.3 psi) compressive strength indicating its ability to withstand pressure. It passed ISO13007-4 meeting ISO standards for adhesive strength. Finally, the coating showed a tensile strength of 2.0 MPa (290 psi) when tested according to STMD4541. As such, the coating can withstand stretching forces. The color, texture, thickness, and pattern can be customized. These properties and the coating's versatility make it ideal for interior and exterior floors.

General

Seal of Excellence Yes

Properties

Chemical Resistance Medium

Colorfastness High

Feel Rough

Impact Resistance Good

Scratch Resistance High

Stiffness Stiff

Structure Open

Surface Hardness Hard

Surface/Texture Irregular Texture

Tear Resistance High

Thermal Conductivity Medium

Transparency Opaque

Usage Temperature High

UV Resistance Medium

Wear Resistance High

Processing + Applications

Applications Flooring

Customization Color, Thickness, Texture, Pattern

Processing Lamination

Sustainability

Sustainability Lightweight

Downloads

↓ [1024710LTR-22007 Specification _ physical properties of RF-224 RHINOZ Flexi Sand.pdf](#)

Images



