



# EPOXY ECO

## UNIVERSAL EPOXY-POLYURETHANE STRUCTURAL ADHESIVE



TECHNICAL DATA SHEET UPDATED 12/02/2026

### Product Information

Two-component (A+B) high-performance epoxy–polyurethane structural adhesive. Specifically formulated for bonding to absorbent, non-absorbent, and moisture-sensitive substrates such as cement, stone, ceramic, and metal. Suitable for both indoor and outdoor use. Provides excellent resistance to extreme temperatures, heavy mechanical loads (trolleys, forklifts), and frequent washing, even without welded joints. Ideal for high-traffic areas and sports flooring applications.

### Recommended Uses

- Athletics tracks and rubber sports flooring on asphalt
- Indoor resilient sports flooring
- Impact-absorbing flooring made from recycled rubber
- Homogeneous and heterogeneous PVC, in sheets and tiles
- PVC on foam and multilayer substrates
- LVT (Luxury Vinyl Tiles)
- Semi-flexible vinyl tiles (VCT)
- Carpet with PVC foam, polyurethane, natural jute, or Action-Bac® backing
- Linoleum with any type of backing
- Polyurethane flooring

### Coverage

Approximately 800–1000 g/m<sup>2</sup>, depending on the trowel type used and the flatness of the substrate.

### Application Instructions

#### Substrate Preparation

The substrate must be dry, flat, sound, and free from dust, cracks, and release agents (waxes, oils, paints).

Maximum residual moisture:

2% for cement screeds

0.5% for anhydrite or gypsum-based screeds

Check for the presence of rising damp.

For floating screeds or screeds laid on ground, install a suitable vapor barrier.

Weak or dusty substrates must be pre-treated with PRIMER PU.

Existing floors (ceramic, marble) must be sanded and all residues thoroughly removed.

#### Product Preparation

Pour the hardener (component B) into the base resin (component A), respecting the mixing ratio of 9.4 : 0.6 (for a total of 10 kg). Mix with a low-speed electric mixer (250–500 rpm) for at least 2 minutes, until a completely homogeneous compound is obtained. Do not alter the ratio between components under any circumstances.



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## Product Application

Apply the adhesive to a clean substrate using a suitable notched trowel.

- Install the covering within approximately 70 minutes, while the adhesive is still fresh.
- Press and massage the covering to ensure full contact and adhesion.
- Avoid the formation of air bubbles and tension at the joints.
- Roll the surface again after a few minutes.
- If the covering is not perfectly flat, weight it down with sand or suitable loads until full curing (12–24 hours).
- For outdoor installations at high temperatures, carry out the work during the coolest hours of the day.

## Packaging

PRODUCT CODE	WEIGHT	UNIT	PACKAGING	PCS/BOX
20031-N	10	kg	Buckets	-

## Technical Data

Appearance – component A	White thixotropic paste
Appearance – component B	Brown cream
Mixing ratio (A+B)	9.4 + 0.6
Density (A+B)	1.45 kg/l
Density – component A	1.50 kg/l
Density – component B	0.92 kg/l
Application temperature	+5°C to +40°C
Open time	70 minutes at 23°C
Setting time	5–7 hours at 23°C
Light foot traffic	12–24 hours
Full foot traffic	3–6 days
Mechanical strength (7 days)	Excellent (substrate failure)
Service temperature	–40°C to +100°C
Elasticity	Excellent



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Ageing resistance	Excellent
Moisture resistance	Excellent

## Warnings

- Always check the moisture content of both the substrate and the covering before installation.
- Respect the open time (approximately 70 minutes at 23°C).
- Do not install in very humid environments or on immature concrete.
- Do not apply on fresh asphalt (< 20 days) or on bituminous substrates with a risk of bleeding.
- Ensure adequate ventilation during application.

## Storage

The product is guaranteed, in its original unopened packaging and under standard storage conditions (+5 °C to +35 °C / +41 °F to +95 °F), for 18 months from the production date. Store in a dry place, away from heat sources and direct sunlight.

## Final note

Keep out of reach of children and pets. Dispose of waste in suitable containers for construction materials, in accordance with local regulations. The information provided in this technical data sheet is based on our many years of experience and is to be considered indicative. Users must verify the suitability of the product for the intended application and assume full responsibility for its use.