



Reimagining Surfaces: An Introduction to Suberlev Aggregate Compaction Resin

THE PERSISTENT FAILURES OF CONVENTIONAL PAVEMENTS

Traditional surfaces like asphalt and concrete pavers often fail to meet the demands of modern projects. They lead to a cycle of costly problems: poor water management, structural degradation, and high-maintenance aesthetics.



THE COMPOUNDING COSTS OF IMPERMEABLE DESIGN



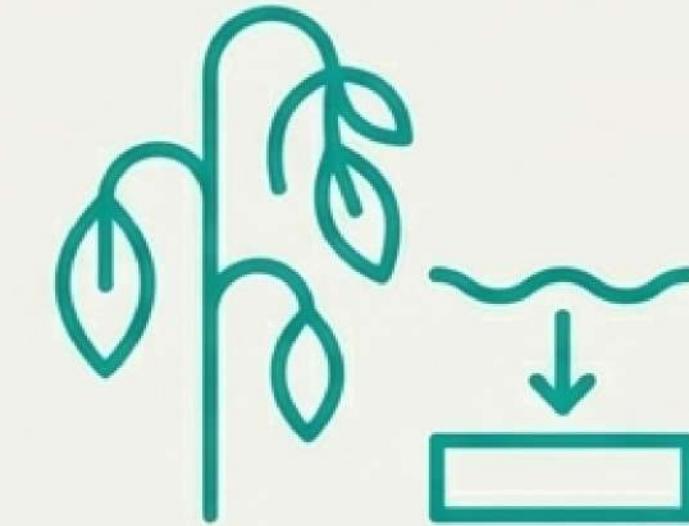
Stormwater Management Issues

Impermeable surfaces contribute to flooding and overburden municipal drainage systems, often requiring complex and expensive engineering solutions.



Frequent Repair & Replacement

Thermal expansion and freeze-thaw cycles lead to cracking and surface failure, demanding constant and costly maintenance interventions.



Environmental Strain

Lack of water permeability harms surrounding plant life and disrupts local water tables, failing to meet modern sustainable design goals.

A PURPOSE-BUILT SOLUTION FOR MODERN LANDSCAPES

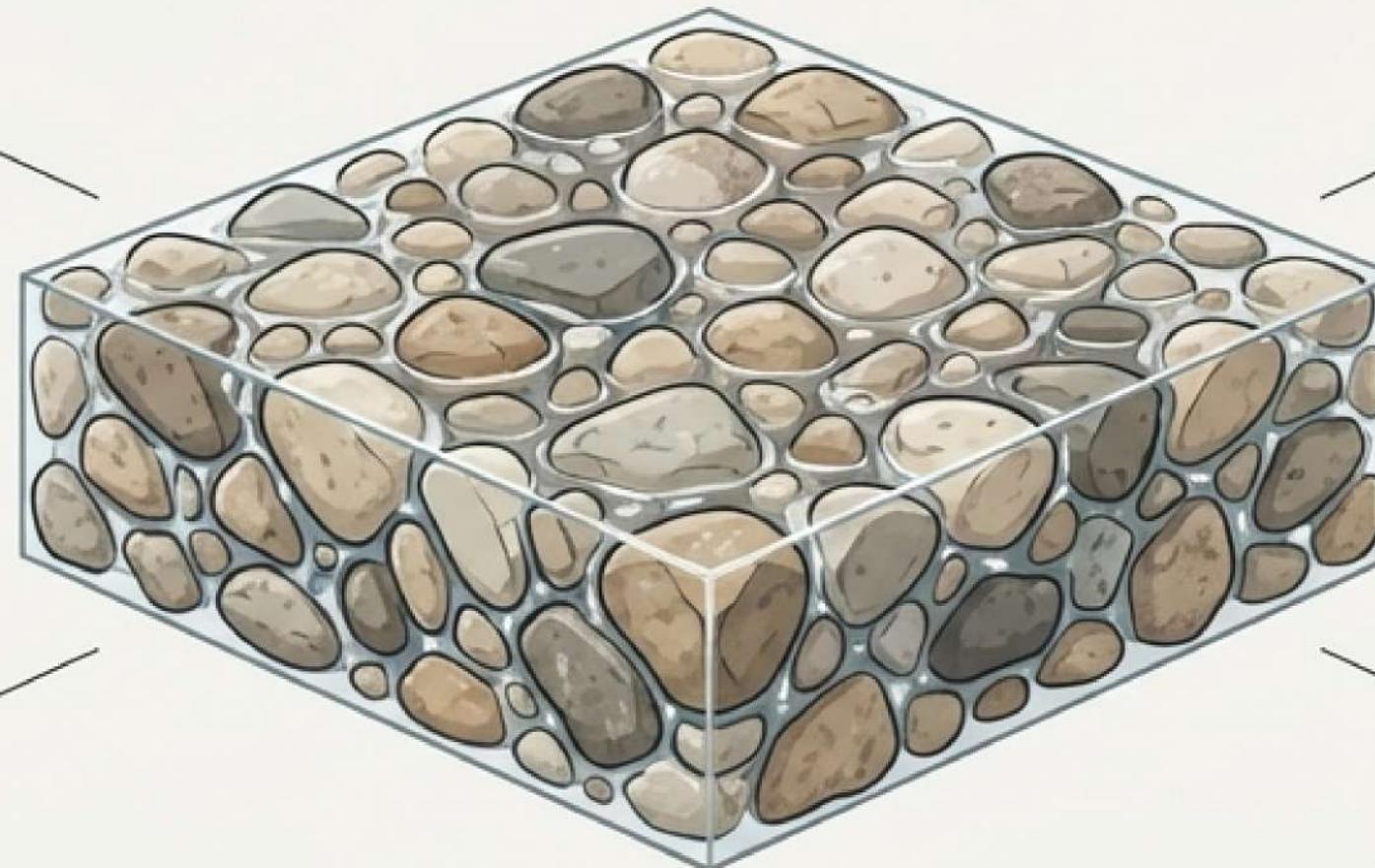
Introducing Suberlev Aggregate Compaction Resin. An advanced, single-component, water-based aliphatic polyurethane liquid membrane engineered to create pavements that are draining, flexible, and highly durable.



ENGINEERED FOR PERFORMANCE, RESILIENCE, AND BEAUTY



Fully Permeable
Allows rainwater to pass through, eliminating puddles and supporting natural drainage.



Superior Durability
High resistance to exterior conditions, withstanding extreme temperatures.



Inherent Flexibility
Accommodates material expansion and contraction, preventing cracks.



Acoustic Dampening
Reduces impact noise, making it ideal for pedestrian and recreational areas.



Lasting Aesthetics
A transparent, non-yellowing matte finish that preserves the natural beauty of the aggregate.

MASTER WATER MANAGEMENT WITH DRAINING PAVEMENTS

Suberlev's formula creates a robust, bonded matrix with interconnected voids, allowing water to permeate the surface freely. This approach is fundamental to sustainable urban drainage systems (SuDS) and low-impact development.

- Prevents puddles and keeps surfaces dry and safe.
- Reduces runoff and eases the load on stormwater infrastructure.
- Replenishes groundwater and supports adjacent vegetation.

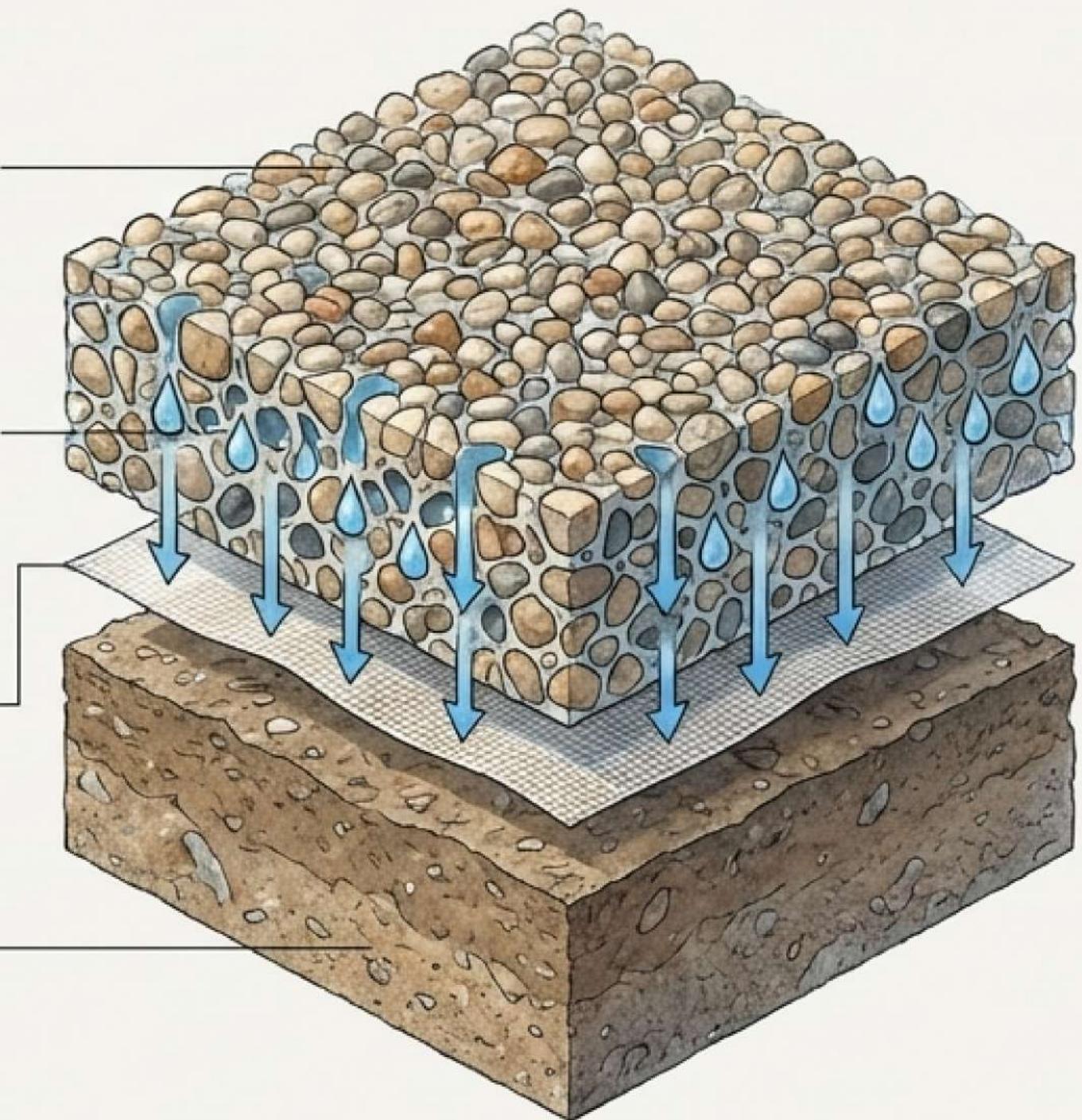
Technical Callout:
Water Permeability: Excellent

Permeable
Resin-Bound
Aggregate

Interconnected
Voids

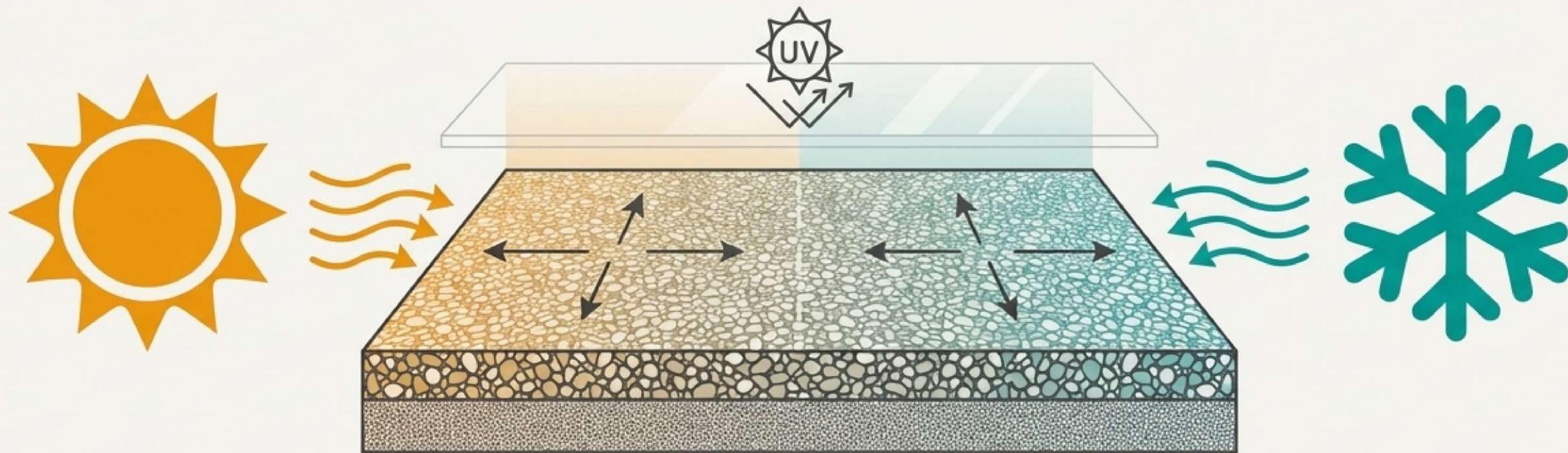
Geotextile
Weed Barrier

Sub-Base



BUILT TO ENDURE: FLEXIBILITY IN EXTREME CONDITIONS

Unlike rigid paving systems, our flexible resin-bound surface moves with the substrate, preventing the cracks that lead to premature failure. It is engineered for high performance in a wide range of climates.



Heat Resistance



Maintains structural integrity up to **+80°C**.

Cold Resistance



Remains durable down to **-20°C** (once fully cured).

UV Stability



The aliphatic polyurethane formula does not yellow, ensuring the aggregate's color remains true over time.

UNLIMITED DESIGN POTENTIAL ACROSS A RANGE OF APPLICATIONS



Gardens & Sidewalks: Create elegant, low-maintenance pathways.



Tree Surrounds: Provide a permeable, stable surface that protects root systems.



Pool Decks: Ensure a slip-resistant, puddle-free recreational area.



Recreation & Public Areas: Design durable, attractive, and comfortable surfaces for high-traffic zones.

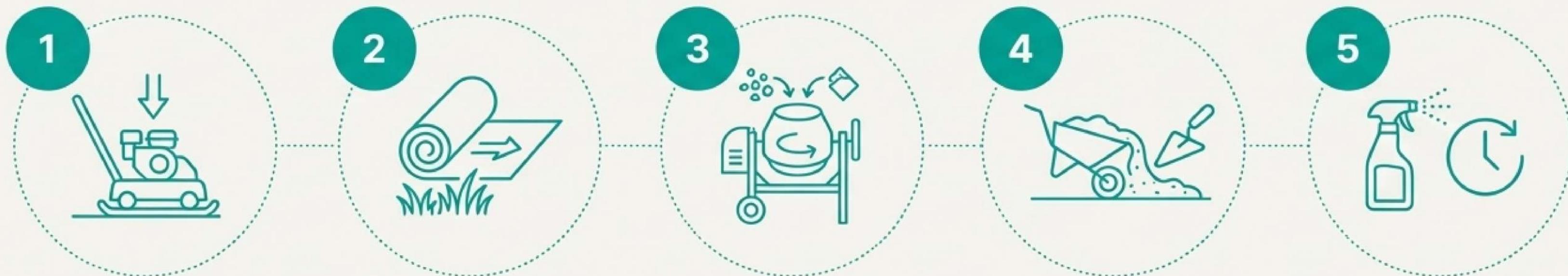
Compatible with a wide variety of substrates,
from concrete to natural stone.

FROM SPECIFICATION TO FLAWLESS EXECUTION

Suberlev is designed for straightforward application by approved professionals. The following section provides the key technical data, substrate compatibility, and step-by-step process required to ensure optimal results on your project.



A CLEAR PROCESS FOR A PERFECT FINISH



PREPARE SUB-BASE

Compact the ground surface to ensure stability.

INSTALL WEED BARRIER

Lay out an anti-grass geotextile sheet to prevent vegetation growth.

MIX COMPONENTS

In a concrete mixer, thoroughly knead the specified aggregate and resin until all stones are fully coated. (Use recommended high grain sizes).

POUR & COMPACT

Pour the mixture onto the prepared surface and compact it to the desired thickness and level.

FINISH & CURE

(Optional) For an enhanced finish, spray with Passable Varnish. Allow to cure, observing environmental conditions.

TECHNICAL DATA SHEET: AT A GLANCE

Mix Ratio	6 to 8 L of resin per 100 - 125 kg of aggregate (preliminary tests recommended).
Composition	Single-component, water-based aliphatic polyurethane.
Aspect	Mat
Color	Transparent, colourless
Relative Density (25°C)	1.01 g/m ³
Viscosity (25°C)	6,000 - 6,500 cp
Water Permeability	Excellent
Heat Resistance	Up to 80°C
Cold Resistance	Up to -20°C (once dry)
Minimum Film Forming Temp	+5°C
Packaging	4 L and 15 L Pots.

KEY REQUIREMENTS FOR SUBSTRATE AND SITE

COMPATIBLE SUBSTRATES

- Concrete
- Cement Mortar
- Natural Stone
- Wood
- Galvanized Steel
- Ceramic Tile
- Asphalt Felt
- And more...

CRITICAL APPLICATION CONDITIONS



Temperature

Apply between 5°C and 35°C.



Moisture

Do not apply with risk of rain or high humidity. Avoid dew.



Sunlight

Do not apply at high temperatures or in direct, intense sunlight.



Product Integrity

Do not dilute the product, as adhesion may be reduced.

HANDLING, STORAGE, AND PROFESSIONAL APPLICATION



Storage & Shelf Life

Store in a cool place (5-45°C) away from sun and frost. Shelf life of up to 2 years in sealed original container. Use within 15 days of opening.



Safety Protocols

Standard PPE is recommended (glasses and gloves). Avoid contact with skin and eyes. Not to be discharged into sewers. Keep away from children.



Certified Quality

Suberlev products must be applied by applicators approved by the manufacturer to ensure warranty and performance standards. Contact us for a list of certified professionals in your area.

Help Us Help You

Innovation in Protection.



The information provided is based on extensive practical experience and laboratory testing.
We recommend practical tests to ensure compatibility for each specific application.