



DryLar® (CreteSafe S-250)

Single Component Below Grade Waterproofing System

Drylar® S-250 is a high-performance, single-component, water-based, polymer-modified waterproofing coating specially engineered for below-grade positive-side waterproofing and damp-proof course (DPC) applications. It provides a seamless, flexible, and durable protective membrane that effectively blocks water ingress, moisture, and salt penetration, ensuring long-term protection of concrete structures.

Designed for ease of use, Drylar® S-250 can be applied directly by brush or roller, eliminating the need for complex equipment, mixing, or heating. Its excellent adhesion, crack-bridging ability, and resistance to chemicals and hydrostatic pressure make it an ideal solution for foundations, basements, and underground structures in both new construction and repair projects.

A Unique Environmentally Safe Alternative

Drylar® S-250 provides a safer and more efficient substitute for traditional below-grade and bitumen-based damp-proofing systems, delivering long-term protection against moisture and groundwater without complex application methods.

Unmatched Multi-Application Ability

Drylar® S-250 provides a distinct advantage in below-grade applications with its simple brush and roller application, eliminating the need for heating or specialized equipment typically required in traditional systems. It easily forms a continuous waterproof barrier on foundations and underground structures, even on uneven or confined surfaces. Its flexibility ensures crack-bridging and long-term performance under soil pressure and moisture exposure.

Key Features

- Single-component, water-based waterproofing coating
- Designed for below-grade and DPC applications
- Strong adhesion to concrete and masonry
- High flexibility for crack-bridging
- Resistant to hydrostatic pressure and soil chemicals
- Seamless, continuous waterproof membrane
- Easy application by brush or roller

Key Benefits

- Prevents water ingress in foundations and basements
- Provides long-term damp-proofing protection
- Reduces risk of structural damage due to moisture
- Simple and safe application without heating or mixing
- Cost-effective solution for underground waterproofing
- Enhances durability of substructures

Storage

- Store in tightly closed, undamaged containers
- Keep in a dry place above +5°C
- Shelf life: up to 12 months
- Protect from freezing

Usage / Application

- Surface must be clean, dry, and free from dust, oil, and contaminants
- Apply as a single-component system using brush or roller (positioned as per your brand)
- Recommended to apply in uniform layers for required thickness
- Application temperature: +5°C to +30°C
- Avoid application on wet or frozen surfaces
- Drying time: 24–48 hours depending on conditions

Applications

- Basement walls and foundations
- Damp-proof course (DPC) systems
- Retaining walls and substructures
- Foundation slabs and footings
- Lift pits and underground structures
- Tunnels, concrete pipes, and parking areas
- Water and wastewater retaining structures
- Residential, commercial, and industrial

Colour: Black*

Top Coat Compatibility

Liquid Rubber is compatible to any water-based paint or any type of cementing or tiling work on top of it after min 10 days of application

Limitations

- Designed for positive-side waterproofing only (not negative side)
- Should not be applied on wet, frozen, or weak substrates
- Not suitable for direct UV exposure without protection (below-grade use recommended)
- Requires uniform thickness to resist hydrostatic pressure
- Not intended for structural crack repair (active cracks need treatment)
- Application temperature must be above +5°C

Packaging & Self Life

Bucket: 1 Ltr, 5 Ltr, 10 Ltr

Totes: 1000 Ltr The shelf life is 12 months from the date of manufacturing specified on the packaging



Coverage

Concrete / masonry surfaces: 10–14 sq.ft/L
 Below-grade applications: 2 coats recommended
 For high hydrostatic pressure areas: additional coat required
 Coverage varies based on surface porosity and roughness

Warranty

Drylar® S-250 is covered under a manufacturer’s warranty, assuring effective below-grade waterproofing and damp-proofing performance. The product guarantees protection against water ingress and moisture penetration when installed as per recommended application procedures. Warranty validity depends on correct usage, substrate condition, and application thickness.

Notes

- Manufacturer Guarantee 100% Product Authenticity
- Beware of DUPLICATE Liquid Rubber® products
- Please refer to our website at www.liquidrubberworldwide.com for the most up-to-date Product Data Sheets.
- All Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labeling of Chemicals (GHS) requirements.

Caution

Keep out of reach of children. Avoid storage below 5°C and under direct sunlight. Please consult the MSDS before using Liquid Rubber®.
 Liquid Rubber® is mildly alkaline. When applying this product observe normal safety precautions, wear gloves, eye protection and other suitable protective equipment. For further information please consult the product MSDS.

Physical Properties (Liquid)

Property	Typical Result
Color	Black
Specific Gravity	1.15 - 1.25
Viscosity (Brookfield)	8,000 - 10,000 cps
Volatile Organic Compound	Contains no solvents
Solids Content	60% - 65%
pH	10 - 12

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Performance (Cured Membrane)

Property	Typical Results
Colour	Black
Specific gravity, g/cm ³	Approx. 1.0
Chemical resistance	Resists salt water and most inorganic solutions
Biological resistance ASTM E154, ASTM D412	Passed
Impact Resistance CGSB 37-GP-56 @ 23°C	Passed (168)
Water tightness after impact	Passed (no leakage)
Accelerated Weathering (Xenon arc)	No deterioration of the film
ASTM G 155, 250 hrs	>90% retention of original tensile strength
Tensile Strength ASTM D 412, kPa (psi)	>830 (>120)
Elongation, %	>850%
Recovery ASTM D412, %	90%
Hardness, Durometer 00	85
Hardness, Shore A	20
Hardness, Shore D	4
Adhesion to concrete DeFelsco, kPa (psi)	>1240 (>180)
Adhesion to concrete ASTM C836, N/m (lb/in)	303 (17)
Puncture resistance CGSB 37-GP-56	Passed (no punctures)
Sag flow	None
Blistering ASTM D 714, 1000 hrs exposure	None
Abrasion resistance ASTM F 1677	Good – very good
Water vapor permeance ASTM E 96, ng/Pa·s·m ² (gr/hr·ft ²)	4.99 (0.25)
Permeability ASTM E 96, ng/m·Pa·s	0.071
Air permeance ASTM E 2178, L/s·m ²	0.0004
Permeability methane ASTM D1434-82, cm ³ /sec/atm	1.88 × 10 ⁻⁸
Thermal resistance ASTM C518-04 (2.66/ply)	0.028
UL fire ratings (ballasted)	Class A