



MetalSafe S-300 / Vezlar®

High Performance All in One Waterproofing & Corrosion Protection System

Vezlar® S-300 is a high-performance, heavy-duty protective coating designed for harsh and highly corrosive environments. It delivers reliable waterproofing, chemical resistance, and long-term corrosion protection for concrete and metal structures in demanding industrial & highly corrosive environmental conditions.

A mission-critical maintenance solution, it also acts as a dependable SOS product for fast and effective protection in factories and high-risk environments.

A Unique Environmentally Safe Alternative

Vezlar® S-300 serves as a high-performance alternative to heavy-duty industrial coatings, offering superior corrosion and chemical resistance in harsh and marine environments.

Unmatched Multi-Application Ability

Vezlar® S-300 is engineered for extreme and highly corrosive environments, offering a unique advantage of easy application even in demanding industrial conditions. Unlike traditional heavy-duty coatings, it does not require complex multi-layer systems or specialized processes, yet delivers high-performance protection on steel and concrete structures. Its ability to form a seamless membrane on large-scale, high-risk infrastructure makes it a reliable solution for industrial professionals.

Key Features

- Heavy-duty, high-performance protective coating
- Designed for highly corrosive and industrial environments
- Superior chemical, salt, and abrasion resistance
- Strong adhesion to concrete and metal surfaces
- Seamless and durable membrane formation
- High resistance to UV and extreme weather
- Single-component, easy-to-apply system

Key Benefits

- Extends life of industrial assets and infrastructure
- Protects against corrosion in aggressive environments
- Reduces downtime and maintenance costs
- Ideal for marine, chemical, and heavy-duty applications
- Reliable performance under extreme conditions
- Suitable for large-scale industrial projects

Storage

- Store in undamaged, sealed packaging in dry conditions
- Shelf life: up to 24 months
- Keep away from freezing and extreme conditions

Usage / Application

- Surface must be clean, dry, and free from contaminants
- Can be applied using brush, roller, or spray system
- Apply in one or more layers depending on thickness
- Reinforce cracks with fabric if required
- Recommended thickness: minimum ~0.5 mm
- Application temperature: +5°C to +30°C
- Avoid rain within 24 hours after application

Applications

- Coastal and marine infrastructure (ports, harbors)
- Tank farms and storage facilities
- Chemical and process industries
- Warehouses and factories
- Steel and reinforced concrete structures
- High-risk and corrosive industrial zones PEB structure, roof and cutouts

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

- Application temperature must be above +5°C
- Surface preparation is critical—poor prep will affect performance
- Not designed as a decorative or aesthetic finish
- May require multiple coats or system build-up for high chemical exposure
- Avoid application in wet conditions or before rainfall
- For extreme chemical environments, system compatibility must be verified

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

- General surfaces: 8–10 sq.ft/L per coat
- Heavy-duty system: 2–3 coats required
- With reinforcement areas: additional consumption depending on fabric usage
- Final coverage depends on required thickness (≥ 0.5 mm system build-up)

Warranty

Veplar® S-300 comes with a manufacturer-backed warranty covering product quality and performance in industrial and corrosive environments. When applied in accordance with technical specifications, it ensures durable corrosion protection and waterproofing performance. The warranty is subject to correct system design, surface preparation, and application practices.

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	Brown to Black
Specific Gravity	Approx. 1.0
Odour	None
Volatile Organic Compound	Contains no solvents
Solids Content	58% - 60%
Viscosity (Brookfield)	12,000 - 15,000 cps
pH	10 - 12

Performance (Cured Membrane)

Property	Typical Results
Colour	Black
Specific gravity, g/cm ³	Approx. 1.0
Chemical resistance ASTM G 20	Resists salt water and most inorganic solutions
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, %	>950%
Recovery ASTM D 412, %	>90%
Adhesion to concrete DeFelsco, kPa (psi)	>900 (>130), cohesive failure
Low temperature mandrel -10°C	Passed
Hardness, Durometer 00	83 – 85
Hardness, Shore A	18 – 20
Hardness, Shore D	3 – 4

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