LIQUID RUBBER® WORLDWIDE — TECHNICAL DATA SHEET

metlar®

WATERPROOFING • CORROSION • CHEMICAL

A high-performance, **all-in-one** liquid membrane engineered to deliver superior waterproofing, corrosion protection and chemical resistance — forming a seamless, flexible film that bonds to both concrete and metal.

• PRODUCT CODE · MTL 501

Product Overview

MetLar® is a high-performance, all-in-one liquid membrane system engineered to deliver superior waterproofing, corrosion protection and chemical resistance across a wide range of environments. It forms a seamless, flexible and durable protective coating that adheres strongly to both concrete and metal substrates.

Designed for everything from general construction to highly aggressive industrial and marine environments, MetLar® eliminates the need for complex multi-layer systems while ensuring long-term protection against water ingress, corrosion, UV exposure and harsh chemicals. Its single-component, water-based formulation allows easy application by **brush, roller or spray**.

Key Features

- Single-component, ready-to-use system
- Seamless, flexible liquid membrane
- Excellent adhesion to concrete and metal
- High resistance to chemicals, salt and UV exposure
- Durable in harsh and corrosive environments
- Easy application by brush, roller or spray

Key Benefits

- Combined waterproofing and corrosion protection
- Extends the service life of structures and assets
- Reduces maintenance frequency and downtime
- Eliminates joints and leakage points
- Simplifies application versus multi-layer systems
- Suitable for general and industrial applications

LIQUID RUBBER HPC LIMITED : 513, Hilltown Landmark, Nikol-Naroda Road, Nikol, Ahmedabad, Gujarat, India - 382350
M : 0091997 8392525 **E :** connect@liquidrubberworldwide.com **W :** www.liquidrubberworldwide.com

Technical Properties

Representative values for MetLar® in its liquid and fully-cured states — characterising handling behaviour, mechanical strength and long-term resistance.

PHYSICAL PROPERTIES	LIQUID
Colour	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

TEST BASIS

Values are typical, determined under standard conditions (23°C / 50% RH) unless otherwise stated, and may vary with substrate, film thickness and curing environment.

PERFORMANCE	CURED FILM
Colour	Black
Specific Gravity	Approx. 1.0 g/cm³
Chemical Resistance (ASTM G20)	Resists salt water & most inorganic solutions
Accelerated Weathering (Xenon arc)	No deterioration of the film
ASTM G155 · 250 hrs	>90% retention of tensile strength
Tensile Strength (ASTM D412)	>830 kPa (>120 psi)
Elongation	>950%
Recovery (ASTM D412)	>90%
Adhesion to Concrete (DeFelsko)	>900 kPa (>130 psi) · cohesive failure
Low-temperature Mandrel -10°C	Passed
Hardness · Durometer 00	83 – 85
Hardness · Shore A	18 – 20
Hardness · Shore D	3 – 4

COVERAGE

- General surfaces — approx. 8–12 sq.ft / L per coat
- Heavy-duty applications — 2–3 coats recommended
- Reinforced areas — additional consumption with fabric usage
- Final coverage depends on required system thickness (min ~0.5 mm)

PACKAGING

Bucket — 1 L · 5 L · 10 L | **Totes** — 1000 L | Shelf life **12 months** from manufacture, in original sealed packaging.

Liquid Rubber

LIQUID RUBBER HPC LIMITED : 513, Hilltown Landmark, Nikol-Naroda Road, Nikol, Ahmedabad, Gujarat, India - 382350
M : 0091997 8392525 **E :** connect@liquidrubberworldwide.com **W :** www.liquidrubberworldwide.com

Usage & Application

Application Method

01 Surface must be clean, dry and free from contaminants

02 Apply by brush, roller or spray system

03 Apply in one or more layers depending on required thickness

04 Reinforce cracks and joints with fabric where required

05 Recommended thickness: minimum ~0.5 mm

06 Application temperature: +5°C to +30°C

07 Avoid rain within 24 hours after application

Top-Coat Compatibility

Compatible with any water-based paint, cementing or tiling work applied on top, after a minimum of **10 days** from application.

Limitations

Do not apply below 5°C (41°F) or to wet / frozen surfaces; the uncured membrane may be damaged if frozen. Do not apply if rain is imminent within 24 hours. Some base materials such as coal tar are unsuitable with Liquid Rubber. Consult technical service with any questions.

Where to Apply

Marine & Industrial Infrastructure
Ports, harbours, chemical plants, tank farms, warehouses and factories.

Steel & Concrete Structures
PEB, steel and reinforced concrete needing waterproofing and corrosion protection.

Roofs, Terraces & Cutouts
Roof systems, terraces, balconies, drains, vents and upstands.

Walls, Foundations & Basements
Below-grade elements and structural joints sealed against water ingress.

Crack, Joint & Gap Sealing
Industrial, commercial and infrastructure projects of every scale.

General Protective Coating
Wet areas, metal surfaces and exposed structural elements.

Warranty & Compliance

WARRANTY

MetLar® is backed by a manufacturer's warranty covering product quality and performance in waterproofing and corrosion-protection applications. Applied per recommended guidelines, it delivers durable, long-term protection — subject to correct surface preparation, system design and application practice.

CAUTION

Keep out of reach of children. Avoid storage below 5°C and under direct sunlight. Liquid Rubber® is mildly alkaline — wear gloves, eye protection and suitable PPE when applying. Consult the MSDS before use.

STORAGE

Store in undamaged, sealed packaging in cool, dry conditions. Keep away from freezing and extreme heat. Reseal partly-used containers promptly.

COLOUR

Black *standard finish — other options subject to enquiry

IMPORTANT NOTES

- Manufacturer guarantees 100% product authenticity.
- Beware of DUPLICATE Liquid Rubber® products.
- Refer to www.liquidrubberworldwide.com for the most up-to-date Product Data Sheets.
- All Safety Data Sheets (SDS) align with Globally Harmonized System (GHS) requirements.