



ATLAS-EPOXY

PRIMER & FINISH

DESCRIPTION

Atlas-EPOXY Primers & Finishes are made from Epichloridrine Epoxy resin specially formulated for high performance and extreme chemical resistance.

The Atlas-EPOXY primer system is a two components paint system:

Component A : Finish composed from Epoxy resin.

Component B : Hardener transparent yellowish liquid .

Color: well chosen organic color finishes selected upon request (Grey, White, Green, Beige, red oxide, red lead, yellow chromate & others).

Solid Contents	52%
Specific Gravity @ 25°C	1.35 ± 0.05 Kg/Litre
Pot Life	8 hours @ 25°C
Flash Point	28°C
Viscosity	120 KUS

Touch dry time	2 hours @ 25°C
Walk on dry time	24 hours @ 25°C
Fully dry time	7 days @ 25°C

Compressive Strength	ASTM-C579	9900 PSI
Tensile Strength	ASTM-C307	1500 PSI
Flexural Strength	ASTM-C580	4600 PSI

Thickness of dry film	100 – 105 microns
Thickness of wet film	180 microns (diluted 20%)
Minimum time to recoat	4 – 6 hours @ 25°C
Maximum time to recoat	24 hours @ 25°C

CHARACTERISTICS

Atlas-EPOXY paints system provides high solid and resistant coat over tankers, concrete floors to protect steel and concrete from chemicals, such as:

- Acids, Alkalis and Active solvents.
- Aliphatic hydrocarbons
- Liquefied gazes, esters, alcohols, ketones etc

PRIMERS:

Available in red oxide, red lead, zinc rich gray and wash primers.

We recommend White or Aluminum colors for surfaces to be protected from sun radiation.

APPLICATION METHOD

Brush, roller, conventional or airless spray gun.

THINNER

Use a special low evaporation thinner.

USES

Suitable for:

- Parking floors.
- Bridge decks
- Industrial floors.
- Food industry floors.
- Warehouses.
- Service stations.
- Garages.

ADVANTAGES

- Durable.
- Suitable for multi-layer applications.
- Combined with inert filler for maximum abrasion resistance.
- Excellent resistance to acids and alkaline solutions.
- Very good resistance to chlorinating agents, anti-carbonated, oils, gasoline and high humidity .
- Can support temperature up to 50 °C

SURFACE PREPARATION

Proper surface preparation is critical to product performance. The substrate should be clean, dry, sound and free of dirt, dust, oil, wax and grease. You may need an oil stain remover such as to lift stubborn oil stains.

Maximum moisture content should not exceed 5%.

New concrete structures need to dry for at least 28 days. Old coatings, dirt, fats, oils or organic substances need to be removed by a grinding machine. Possible surface irregularities need to be smoothed. Any loose surface pieces need to be thoroughly removed. The surface should then be roughened using a dust-free “abrasive-blasting” machine.

The substrate should be clean, dry and sound, free of any dust or contamination which may harmfully affect the adhesion of the primer layer.

Remark: Do not wash surface with water!

PRODUCT PREPARATION

Mix the two parts (A+B) for a period of 2 to 3 minutes with a low rotation speed (< 300 rpm) electric mixer.

Atlas-Epoxy must be well mixed to ensure proper chemical reaction. After mixing, apply immediately.

COVERAGE

Coverage capacity for the above three stage treatment is 2.2 to 3.3 square meters per litre.

APPLICABLE STANDARDS

ASTM D-522, ASTM C-1028-96, ASTM 2240D, ASTM D-2486 , ASTM D-2794 , ASTM D-4060, ASTM D-4366 ,ASTM D-4541, ASTM D-4585, BS 476, Part 7: 1971- Class I & BS 4800.

WARNING

- ❖ Do not eat, drink or smoke when using this product.
- ❖ Wash hands thoroughly after handling.
- ❖ Application should be done in a ventilated area away from any heat source.
- ❖ Wear protective gloves for hands, eyes & avoid vapor breathing.
- ❖ If mixed resin comes into contact with the skin, it should be promptly removed before hardening, followed by thoroughly washing the skin with soap and water.
- ❖ In case of heavy vapor inhalation, place affected person in an open-air area.
- ❖ In case of contact with eyes, wash thoroughly with clean water.
- ❖ If swallowed, do not induce vomiting.
- ❖ In all cases, seek medical attention.
- ❖ In case of fire, use CO² foam extinguishers.
- ❖ Tightly seal containers when not in use, store them away from heat and carefully dispose empty ones.
- ❖ Properly dispose of all soiled rags. To recycle or properly dispose of product in your community, contact your household refuse collection service.

HEALTH AND SAFETY REGULATIONS

R38	Irritating to eyes and skin
R41	Risk of serious damage to eyes.
S2	Keep out of reach of children.
S26	In case of contact with eyes rinse immediately with plenty of water and seek medical advice.
S27	Take off immediately all contaminated clothing.
S37/39	Wear suitable gloves and eye/face protection.

For full health and safety information see Atlas-Epoxy MSDS.

LIMITATIONS

It's not recommended to use Atlas-Epoxy in the following conditions:

- Non-ventilated spaces.
- Expiry of one of the components A or B or the Catalyst.
- Application temperature is not in the range of 5°C to 40°C.
- Treated surface's temperature less than 3°C.
- Humidity exceeds 85%.
- On outdoor treatment, forecasted rain is not ensure for 72 hours at least.
- On wet floors or substrates.

AVAILABLE PACKAGES

1 US Gal. & 5 US Gal. for Atlas-Epoxy.
1 Lt. Can & 5Lt. for the Catalyst.

TECHNICAL SERVICE

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact:

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Visit our website at www.barakeh.com

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