

M Wrap Epoxy Product Packing



945ml part A/B



3.7L part A/B

Reinforced Epoxy Coating For Application Above or Below Water

M Wrap Epoxy is based on a unique blend of liquid epoxy polymer and aliphatic polyamine curing agents, which is able to displace water from wet surfaces in order to make a permanent bond. The formulation is solvent-free to ensure safety and maximum technical performance. KevlarTM* fibers are incorporated for reinforcement and viscosity management to achieve high application rates even underwater!

M Wrap Epoxy provides permanent protection under the most adverse conditions. The formula is uniquely field-friendly and uses advanced low toxicity ingredients. **M Wrap Epoxy** can be shipped air freight "Non-Regulated" by USDOT, IATA and IMO.

* Kevlar is a trademark of E. I. DuPont de Nemours Co.

Recommended Uses:

Anticorrosive Coating:

Splash zone, abrasion resistance above or below water.

Fairing Compound:

Smoothing rough steel and concrete.

Repair Compound:

Patching, leak sealing etc. above and below water.

Concrete:

Reinforcing, smoothing and protecting worn concrete damaged by exposure to chemical or municipal waste streams.

Technical Information:

Vehicle Type: Epoxy/Aliphatic amines

Pigmentation: Colour/Inert/fibrous reinforcement

Colours: Black & Neutral

Finish: Slight texture

Thinner: Not normally required

Cleaner: MEK or lacquer thinner

Mixing Ratio: 1.0/1.0 v/v

Induction Time: Not required

Pot Life: Approx. 12m / 25°C

Flash Point: Over 93°F

Solids By Volume: 100%

Spreading Rate/GAL: 3.7 sqm/L @ 40 mils rec. U/W application rate.

Dry Time, (Dust free): 4 hours at 25°C

Dry Time, (Service): 14 hrs. light, 72 hrs. heavy

Application Method: Trowel, "Pool float", mitts

Storage Conditions: Normal, Freezing OK

VOC: Essentially zero

Product	Part A	Part B	Mixed Colour
M Wrap Epoxy	Coloured Black	Neutral	Part A colour

Surface Preparation:

Remove marine biological settlement and corrosion by high-pressure water jetting with or without abrasive. Conventional air/abrasive blasting works well at shallow depths; however, efficiency falls off sharply below about 10'. Hand held power tools such as needle guns or grinders can give good results if applied conscientiously in small areas but will be inadequate in large areas. Plan to apply the **M Wrap Epoxy** within 45 minutes maximum after surface preparation to minimize re-rusting or initial settlement of fouling slime, which interferes with initial adhesion. Application above water requires similar high-pressure water blasting or dry abrasive blasting to yield a firm, granular surface free of loose contamination.

Mixing Procedure:

M Wrap Epoxy is supplied either in 2 x 945 ml or 2 x 3.7L kit containers respectively each of epoxy base and curing agent. These components are part A is black and Part B is neutral colours.

M Wrap Epoxy for example is supplied with a black epoxy base and a neutral curing agent which mix together, visible white streaks seen during the course of mixing indicate "hotspots" unmixed components.

Remove equal quantities of base and curing agent from their cans and place them side-by-side on a surface of plastic, fibreboard etc. Mixing is easily accomplished by folding the components into each other using a spatula or piece of wood. Once mixing begins there will be about 40 minutes of working time available at 26°C. This time may be extended by keeping the components and mixture cool, sending the mixed material underwater as quickly as possible rather than leaving it on a hot deck.

Application:

1) **UNDERWATER** Take the mixed **M Wrap Epoxy** underwater in a can or bucket, it will free up a hand to have a hook on a belt to hold the can during painting. Applicators such as broad putty knives or plastic straight-edged glue spreaders work well on most surfaces. Industrial latex gloves work well on small-diameter tubular sections such as risers. **M Wrap Epoxy** is resistant to the effects of wave application during curing and will be found to be easier to apply than traditional "splash-zone" compositions and much less messy than lower viscosity underwater "paints".

M Wrap Epoxy has a strong tendency to stick to underwater surfaces and expensive equipment should be protected using plastic suits or sacks to cover exposed surfaces.

2) **ABOVE WATER:** Apply using an appropriate tool such as a spreader or short, stiff brush if the surface is especially rough.

Curing Before Service:

M Wrap Epoxy may be immersed in fresh or salt water immediately after application. It will cure to a hard film within about 14 hours and is suitable for traffic after this time. Allow at least three (3) days at 25°C before subjecting to aggressive chemical service from industrial solvents and similar materials.

WE URGE YOU TO READ THE SAFETY DATA SHEET (SDS) BEFORE USING AND TO CALL METALOK360, AS NECESSARY FOR ADVICE OR INFORMATION BEFORE ANY ACTUAL OR CONTEMPLATED APPLICATION.

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