

MonniPrime WB

Water Based Epoxy Primer

Product Description

MonniPrime WB is a two-components, water dispersed epoxy primer formulated for high performance protection. The product has waterborne advantages of low VOC, no solvent emission, and easy clean-up, low odor and application flexibility (airless spray, brush, and roll).

MonniPrime WB is compatible with most high performance finish coats and, in many cases, can be used as an effective barrier coat when coating previously painted surfaces. The product can also be used as a primer for damp concrete or masonry surfaces.

MonniPrime WB is supplied in pre-weighed packs ready for use on-site. When mixed and applied to concrete or masonry surfaces, it cures to form a hard, semi matt barrier coating to restrict the ingress of dampness through concrete masonry.

Uses

MonniPrime WB is recommended for use in commercial, institutional, or industrial environments that require a low odor, fast drying, and durable coating.

It can be used over prepared substrates such as steel, aluminum, and concrete in industrial environments and as part of a system to be top coated with epoxy or acrylic coatings as anti-dust treatment of industrial flooring.

- ▶ MonniPrime WB is used as a primer on the following substrates prior to the application of Epoxy or Polyurethane coatings:
- ▶ Concrete surfaces
- ▶ Steel and aluminum
- ▶ Refineries
- ▶ Zinc-rich coatings
- ▶ Manufacturing equipment
- ▶ Pipe racks
- ▶ Structural steel
- ▶ Power Plants

Advantages

- ▶ Impact and abrasion resistant
- ▶ Excellent corrosion resistance
- ▶ Low VOC and inflammable
- ▶ Quick-dry for time critical applications
- ▶ Low viscosity, which gives deep penetration and high bonding
- ▶ Outstanding early moisture resistance
- ▶ Ideal application in laboratories, hospitals and food areas

Usage Instructions

Surface Preparation

Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure adequate adhesion.

Steel (Atmospheric Service)

Remove all oil and grease from surface by cleaning with solvent. For better performance, use sand blasting cleaning method.

Remove all weld spatter and round all sharp edges by grinding. Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

Masonry and Concrete

Surfaces should be thoroughly clean and dry. Concrete and mortar must be totally cured. Remove all loose mortar and foreign material. Surface must be free of laitance, concrete dust, dirt, release agents, moisture curing membranes, loose cement and hardeners.

Fill bug holes, air pockets and other voids with any of MonniFinish EF or MonniFinish EC concrete repair products.

Weathered masonry and soft or porous cement board must be cleaned or brush blasted to remove loosely adhering contamination and to get to a hard, firm surface.

Mixing

For preparation of product, pour component B (Hardener) into component A (Base) and mix carefully with electric mixer at low number of turns, till obtaining a homogenous mix.

For general application, after mixing part A and B, additional water is required to adjust the application viscosity. Slowly add water in the ratio of 1 part water: 4 part mixture of (A&B).

Application

The mixed MonniPrime WB should be applied to the prepared surface using a brush or lamb's wool roller at a consumption rate of 3-5 m²/ Liter. Ensure that the area is completely coated and that 'ponding' of the material does not occur since water may be trapped within the product, thus preventing complete cure. The second coat may be applied as soon as the first coat has initially dried (typically 4 - 6 hours). The time will be dependent on the type of surface and the ambient conditions.

Good drying conditions are required to allow complete evaporation of the water as the resin cures. Adequate ventilation and air movement is necessary.

Apply the finishing top coat after MonniPrime WB has dried to a transparent film (no milky spots) and is tack-free.

Cleaning

Wash tools and hands with water promptly before material hardens. Cured material must be mechanically removed.

Consumption

3-5 m²/ Liter per coat according to the porosity of the surface.

Packaging

MonniPrime WB is available in 4 and 15 Liter packing

Shelf Life & Storage

Store the product in dry closed place with temperature between +5 °C to +35°C.

Technical Data

Category	Typical Values
Appearance	Liquid
Color	Milky and change to transparent when dry
Mix Density	1.05 kg /L @ 25°C
VOC	negligible
Solid Content	60%
Viscosity at 25°C	>2000 mPa.s
Pot-life time at 25°C	90 minutes
Drying time at 25°C	4 hours
Service Temperature	-5°C to +80°C

All values are subject to 5-10 % tolerance

Health & Safety

Avoid contact with skin & eyes. Protective clothing such as gloves & safety goggles should be worn during application. Treat any splashes to the skin or eyes with fresh water immediately.

Should the product be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

Ensure adequate ventilation at site and avoid inhalation of vapours.

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

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