

IDEAL WATER

Water-based, two-component epoxy resin for concrete surfaces.

DESCRIPTION

IDEAL WATER is a two-component water-based pure epoxy resin and amide polymer. Diluted into water to different concentrations, it forms homogeneous mixtures than when impregnated improve the mechanical properties of concrete surfaces and other construction materials.

CHARACTERISTICS

- After treatment, the surface is impermeable to liquids whilst at the same time enabling water vapour to transpire freely.
- Can be diluted into water, does not contain solvents, does not release vapours during application and is less toxic to the environment and users.
- Impregnations with IDEAL WATER, compared to those with acrylic or wax-based treatments, have better characteristics and last longer.
- IDEAL WATER can be applied to dry or wet substrates or to not completely cured mortars and concrete.
- Easy and fast to apply

TECHNICAL FEATURES

POT LIFE AT +20°C (LATEX):	approx. 30 minutes
TOUCH DRY (+20°C):	12 hours
CURING TIME (+20°C):	2-3 days
FLASH POINT:	non-flammable

SURFACE PREPARATION

Use floor buffer machine and abrasive pads to remove dust, dirt, oil, grease stains and any other deposits. Wait for the surface to dry, as IDEAL WATER penetrates more easily into dry substrates.

MODES OF USE

Substrates must be sufficiently porous and dry to allow the fixative product to absorb homogeneously.

Mixture preparation

Mix well both components separately. Add component "B" into component "A" at a ratio of 2:1 by weight and mix carefully with a drill equipped with a stirrer. Slowly add clean water and continue stirring until a white crumb-free latex is obtained.

Recommended dilutions

1st coat

(2kg A + 4kg B = 6 kg) + 10 - 18 lt. of water

The quantity of water will be more for low porosity surfaces. It will be less for high porosity surfaces.

2nd coat

(2kg A + 4kg B = 6 kg) + 12 - 15 lt. of water

Application

Apply the mixture by brush, roller or low-pressure spray within 30 minutes. Remove any excess material from the holes and depressions and let it dry. It is recommended to apply very thin layers. After 12-24 hours, apply a second coat of the product, following the same mode as the first. It is important to ventilate the premises after the application. To avoid stains and gloss, do not apply excessive material. Clean all containers and tools with water and soap after use.

COVERAGE

Coverage can vary according to the substrate porosity and surface configuration.

Concrete floors: 50-100 grams/m² (undiluted product)

PACKAGING AND STORAGE

2 Components (A 2kg + B 4kg) = 6kg

If stored in a dry and safe place, IDEAL WATER can be stored for at least 24 months in its original and sealed containers.

SENSITIVE TO FROST

WARNINGS

The epoxy-based products can yellowing when exposed to sunlight. By mixing components, polymerisation and curing start.

IMPORTANT: Do not apply IDEAL WATER when the substrate temperature is lower than +10°C or superior than +28°C and the Relative Humidity is more than 70%. In case of too much humidity in the air, the product may have drying problems.

Hygiene rules

Epoxy resins and hardeners can cause irritation. Avoid skin contact and splashes into the eyes. Wear goggles, gloves and a working suit. Use a protective cream such as Turexan and a nutrient cream after work. In case of contamination, rinse immediately with water and soap. Do not wash with solvents. If sprayed into the eyes, wash with water and call a physician. Do not use the empty containers to store other substances.

IMPORTANT:

All the information contained in this sheet is based on the best practical and laboratory applications. It is the customer's responsibility to check the product is suitable for the intended use. The manufacturer declines any responsibility for wrong application. It is recommended to carry out tests on small areas before application. This sheet replaces and cancels any previous one. The data contained can be changed at any time. Ideal Work products are for professional use and the company organises periodical training for its customers on demand. Anyone who uses these products without qualification takes all the associated risks.

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