

# YAPIFINE BASE® EPOXY PRIME

Solvent Free Epoxy Based Primer

## Product Description

Epoxy based, two component, solvent free, low viscosity concrete primer.

### TECHNICAL PROPERTIES

|                                                      |                                                                                   |                                 |                         |
|------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------|-------------------------|
| Colour                                               | Transparent                                                                       | Thinning                        | Ready to use            |
| Density (+20°C)                                      | 1.10 g/cm <sup>3</sup> ± 0.05                                                     | Temperature Resistance          | 121°C dry               |
| Mixture Ratio                                        | 6 / 1 (Component A / Component B)                                                 | Compressive Strength            | ≥ 45 N/mm <sup>2</sup>  |
| Appearance                                           | Glossy                                                                            | Adhesive Strength to Concrete   | ≥ 1.5 N/mm <sup>2</sup> |
| Pot Life (+20°C)                                     | 30 minutes                                                                        | Hardness (Shore D) (7 days)     | 83                      |
| Drying Period<br>(at +23 °C, 55 % relative humidity) | Drying Time: 6 hours<br>Time for new coat: 8-24 hours<br>Through-dry time: 7 days | VOC (Volatile Organic Compound) | 31 g/L                  |
|                                                      |                                                                                   | Reaction to Fire                | E                       |

\* Hereby technical values and product application instructions are obtained in the wake of tests conducted in environment of +23±2°C temperature with relative humidity of %50±5. Higher temperatures will shorten the time span, while lower temperatures will extend it.

## Advantages

- Solvent-free.
- Multipurpose concrete primer.
- Resistant to general cleaning chemicals.
- Ensures shiny film.

## Areas of Use

- Indoor and outdoor spaces
- Shopping malls and supermarkets
- On industrial surface systems as protective coating
- Sewage and waste plants
- Parking lots, walking trails
- Pulp and paper factories
- Warehouses and factories
- PU and epoxy ground systems

## Surface Preparation

The surface should be cleaned of all residual materials such as dust, oil, dirt, paint, curing materials, bitumen and other foreign substances. The damaged sections of the concrete, the fractures and static cracks on the concrete surface should be repaired with the YAPIFINE MEND EPOXY 2C repair mortar. The surface should be prepared by washing it down with pressurized water and drying it afterwards. After the surface preparation applications the surface's pull strength should be min. 1,5 N/mm<sup>2</sup>. Surface moisture should not exceed 5% pbw.

Do not apply on concrete surfaces with rising humidity conditions. Moist surfaces should be primed with YAPIFINE BASE EPOXY PRIME H.

## Mixture Preparation

Both components are stirred in their respective containers first. Afterwards they are added together and are then mixed for a few more minutes until a homogeneous mixture is obtained.

Higher temperatures will shorten the pot life, while lower temperatures will extend it. Should not be mixed by hand.

## Application Information



Product can be applied by roller, brush or squeegee. Continuous, non-porous layer of application should be ensured. If the surface of the primer is going to be covered with an epoxy or polyurethane coating; approximately 1 kg/m<sup>2</sup> of silica sand (0,1-0,3 mm) should be spread on the surface while it is still tacky. Do not keep the equipments in use for more than 30 minutes in the mixture; in case of delay, wash equipments with epoxy thinner. Even though YAPIFINE BASE EPOXY PRIME is solvent free, proper ambient ventilation will help protecting the operator, prevent condensation on paint film and ensure optimum coating performance. Ventilation should continue during curing as well.



### Application Conditions

Should not be applied to surfaces that were exposed to sunlight for too long or to surfaces that are too hot or frozen. Should not be applied when the ambient temperature is not within the values of +5°C and +30°C. Avoid application under strong wind or direct sunlight. Do not step on the surface during first 24 hours after application. Surface should be protected against direct water contact for 48 hours. The indicated consumption amount is in general sense. It may vary depending on application conditions and surface characteristics.

### Packaging

■ Tin buckets set of 12 kg + 6 kg

### Consumption

Total theoretical consumption is 0.20 – 0.50 kg/m<sup>2</sup>

### Storage and Shelf Life

The shelf life of the product is 12 months when it is stored on wooden pallets in a cool, dry and moisture free environment with an ambient temperature between +10°C and +25°C.

The opened material should be used as soon as possible.

### Safety Precautions

No smoking should take place during application.

The work environment should be well ventilated and should not include any open flames. Since the solvents are heavier than air it should be remembered that they will be in circulation over the floor. The operator should be wearing proper work attire, goggles, mask and protective gloves appropriate to work and worker safety regulations. In case of contact with the eyes, rinse with plenty of water before seeking immediate medical attention. For further information on the safe handling of this product please read the Safety Data Sheet (SDS).