

# YAPIFINE HYDRA® PU PRIME

Polyurethane Based Primer



## Product Definition

Polyurethane based, one component, transparent primer.

## Areas of Use

- Concrete that emits dust, plaster and gypsum surfaces,
- Wood surfaces,
- Provides surface preparation before all kind of polyurethane based floor material applications

## Advantages

- Ready to use
- Adheres perfectly to all kinds of surface.
- Easy to apply.
- Resistant to chemical materials and water
- Ensures perfect junction with absorptive surfaces.
- Dries quickly.
- Spreads and impregnates on surface homogeneously.
- By providing a surface preparation for the materials that will be applied on itself, provides excellent adherence.


## Technical Specifications

Colour	Transparent
Density (+20°C)	1.01 g/cm <sup>3</sup> ± 0.03
Viscosity (+25°C)	10 – 50 cP
Application Temperature	Between +5°C to +40°C

Drying Period (at +23°C, 55% relative humidity)	Drying Time: 1 hour Time for New Coat: 4 hours Through-dry Time: 4 days
Hardness (Shore A)	95
Adhesive Strength to Concrete	≥ 2.2 N/mm <sup>2</sup>
Reaction to Fire	B2

\* 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.

 <b>Packaging</b>	20 kg tin drum
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 <b>Consumption</b>	100-150 g/m <sup>2</sup>
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\* Depends on the absorpency and roughness of the application surface.

## Surface Preparation

The surface should be cleaned of all residual materials such as dust, oil, dirt, paint, curing materials, bitumen and other foreign substances.

If possible, the surface should be washed with highly pressurized water and then dried off.

The damaged parts of the concrete, fractures and static cracks on the surface should be repaired with the appropriate YAPIFINE MEND repair mortar first.

## Mixture Preparation

Should be mixed with a low speed mixer after opening its packaging for a few minutes before use.

Is ready to use, thinning is not required.

## Application Information



The application surface is completely covered with a brush or a roller.

On large surfaces, the application can be done with an airless spray.

Other applications can take place 4 hours after the product's application.

## 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 +35°C.

The application area should be protected from the effects of wind and direct sunlight.

The final consumption amount might vary depending on application conditions and surface characteristics.

## Shelf Life

The shelf life of the product is 12 months when stored on wooden pallets in its original packaging in dry (maximum relative humidity 60 %), cool (ambient temperature between +5°C and +25°C) and moisture-free environment. The unpacked 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).