

## Description

Solvent-free and colorless primer based on styrene /acrylic synthetic resin developed for absorbent surfaces.

## Advantages

- High drying speed,
- Solvent-free,
- Increases the adherence of the soil,
- Ready to use, easily applied by brush or roller,
- Increases adhesion by balancing absorbency,
- Reduces absorbency, increases spread and prevents crack formation due to rapid water absorption,
- Prevents the formation of air bubbles.

## Application areas

Can be used in all buildings, indoor and outdoor, horizontal and vertical applications. Cement or gypsum-based leveling screeds, cement-based coatings are applied to sub-floors prior to ceramic bonding applications.

It can be used to reduce the absorbency of absorbent surfaces such as concrete, screed, gypsum plaster, gypsum board, lime plaster, betopan, chipboard and aerated concrete, to provide adherence and to protect from moisture.

## Application limits

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| Drying time                       | ~ 1 hour ( Depending on the surface ) |
| Full curing time                  | ~ 6-8 hours                           |
| Application temperature           | +5°C / +30°C                          |
| Substrate application temperature | > +5 °C                               |

\*23±2 °C temperature and 50±5% relative humidity.

## Surface preparation

The application surface should be dry, clean and free of dust and oil. If there is a loose layer on the surface where Hammerfast Astar E will be made, there should be no loose parts and a layer should be scraped off and cleaned with Hammerfast RM-150 repair mortar.

## Application

Hammerfast Astar E is applied to the floor as a single layer by means of a brush or roller by diluting it with water at a ratio of 1: 1/2 (primer / water) depending on the absorbency of the floor in Self-Leveling applications. The primer should be allowed to dry for self-leveling. It should be used without thinning in protecting the absorbent surfaces against moisture. If it is to be used as a plaster primer, it should be diluted 1/6.

## Technical specifications

|                       |                                                             |
|-----------------------|-------------------------------------------------------------|
| Content               | Acrylic based, solvent free                                 |
| Color and consistency | White liquid (transparent after drying)                     |
| pH                    | 7,00 - 9,00                                                 |
| Density               | 1,05 ±0,05 g/ml                                             |
| Solid matter          | % 20 (±3)                                                   |
| Adhesion strength     | It is equal to the adhesion strength of the bottom surface. |

## Consumption

100-150 gr/m<sup>2</sup>.

## Points of attention

- Do not apply on wet or damp surfaces.
- Do not apply on non-absorbent glossy surfaces.
- In self-leveling applications, Hammerfast Astar E should be allowed to dry before applying screed.
- The temperature of the application surface should be minimum + 5 °C and the surface should not receive precipitation.
- Do not add more water than recommended dilution rate.
- Do not mix with any liquid other than water.
- Do not apply under strong wind and sun.
- Surface temperature should not be lower than +5 °C.

## Safety Precautions

- Use appropriate safety equipment (mask, gloves, glasses).
- Protect your eyes/face.
- Avoid direct contact with eyes and skin.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical attention.
- Please read Material Safety Data Sheet (MSDS) for further safety information.

## Storage and shelf life

12 months from date of manufacture when stored unopened and undamaged in a dry, moisture-free environment, away from direct sunlight and temperature between +10 °C and +35 °C. Packages should be kept tightly closed when not in use. Packages should be protected against frost.

## Packing

10-20 kg plastic drums.

## Cleaning of tools

After the application, wash all equipment used before drying with warm water.

## Quality certificates

- ISO 9001:2015
- CE

