

Astar Eco



Filler-Free Primer for Absorbent Surfaces

Description

A solvent-free, colorless primer material based on synthetic resin containing styrene/acrylic, developed for absorbent surfaces.

Advantages

- Fast drying
- Solvent-free
- Increases substrate adhesion
- Ready to use; easily applied with brush or roller
- Improves adhesion by balancing surface absorbency
- Reduces absorbency, improves spreadability, and prevents cracking caused by rapid water absorption
- Prevents the formation of air bubbles.

Areas of Use

Suitable for horizontal and vertical applications, indoors and outdoors, in all types of buildings. Applied to substrates prior to cement- or gypsum-based self-levelling screeds, cement-based coatings, and ceramic tile adhesive applications.

It can also be used to reduce the absorbency of surfaces such as concrete, screed, gypsum plaster, drywall, lime plaster, fiber cement boards, particle boards, and aerated concrete, to provide adhesion and protect against moisture.

Surface Preparation

The surface to be treated must be dry, clean, and free from dust and oil. Ensure that there are no loose particles or layers on the surface where Hammerfast Astar V will be applied. If any loose layers are present, they must be scraped off, cleaned, and repaired using Hammerfast RM-150 repair mortar.

Application

In self-levelling applications, Hammerfast Astar Eco is applied in a single coat using a brush or roller, either undiluted or diluted with water at a ratio of 1:½ (primer/water), depending on the absorbency of the substrate.

The primer must be allowed to dry before proceeding with the self-levelling application. For moisture protection of absorbent surfaces, it should be used undiluted.

When used as a gypsum primer, it should be diluted with water at a ratio of 1:5.

Consumption

Depending on the absorbency of the application surface: 100–150 g/m².

Technical Properties

Color/Appearance	White liquid (transparent when dry)
Content	Acrylic-based, solvent-free
Drying time	~ 30-45 minutes (depending on the surface)
Full curing time	~ 6-8 hours
Application temperature	+5°C / +30°C
Substrate application temperature	> +5 °C
pH	7,00 - 9,00
Density	1,05 ±0,05 g/ml
Solid matter	% 16 (±3)
Adhesion strength	≤ 2 N/mm ²
HS code (GTIP)	3209.10.00.00.19

Note: Values are determined at 23±2°C and 50±5% relative humidity.

Important Notes

- Do not apply on wet or damp surfaces.
- Do not apply on non-absorbent, glossy surfaces.
- In self-levelling applications, allow Hammerfast Astar Eco to dry before applying the screed.
- The surface temperature must be at least +5°C and must not be exposed to rain.
- Do not add more water than the recommended dilution ratios.
- Do not mix with any liquid other than water.
- Do not apply under strong wind or direct sunlight.
- Surface temperature must not be below +5°C.
- During transportation or storage, Hammerfast Astar Eco must not be exposed to direct sunlight or high temperatures. High temperatures may increase viscosity and damage the chemical structure of the product.

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Storage and Shelf Life

When stored in its original, unopened packaging in dry, moisture-free environments, protected from direct sunlight and at temperatures between +10°C and +35°C, the product can be stored for 12 months from the production date.

When not in use, the container lid must be tightly closed. Pallets must not be stacked on top of each other.

Packaging

Available in 10 kg or 20 kg plastic containers.

1 pallet = 60 containers (10 kg)

1 pallet = 36 containers (20 kg)

Cleaning of Tools

All tools used must be cleaned with warm water immediately after application.

Safety Precautions

- Keep out of reach of children.
- Do not eat or swallow.
- Keep away from food products.
- Do not inhale directly or allow contact with the body.
- May cause allergic reactions.
- In case of eye contact, rinse with plenty of water and consult a physician.
- It is recommended to use gloves, goggles, and protective clothing during application.
- Wash hands thoroughly with plenty of water after application.
- For detailed safety information, read the Material Safety Data Sheet (MSDS)

Quality Certificates

- CE
- ISO 9001
- ISO 14001

