

AC-600



Residential-Type Textile-Backed (Felt-Backed) PVC Flooring Adhesive

Description

Hammerfast AC-600 is a high-performance, water-based acrylic polymer dispersion flooring adhesive developed for the strong bonding of textile-backed (felt-backed) PVC floor coverings to absorbent and semi-absorbent substrates in residential indoor applications.

Advantages

- Solvent-free, harmless, and environmentally friendly.
- Provides fast and strong bonding.
- Resistant to temperature fluctuations.
- Easy to apply.
- Long working time.
- Low VOC content (eco-friendly)

Areas of Use

- For bonding textile-backed (felt-backed) PVC sheet floor coverings in indoor applications,
- Suitable for light to medium traffic areas,
- Living rooms, bedrooms, and corridors,
- Absorbent screed and concrete substrates,
- Primed surfaces.

Substrates

Applicable on leveled concrete floors, precast concrete, cement-based screeds, gypsum-based screeds, and similar surfaces in interior areas. Please consult us for all other application surfaces.

Surface Preparation

The surface must be clean, free of oil and dirt, leveled, and absorbent. The substrate must be resistant to pressure; loose areas should be scraped off and repaired with Hammerfast RM-150 repair mortar at least 24 hours before applying Hammerfast AC-600.

Uneven surfaces should be corrected using Hammerfast SL series self-leveling screeds.

For areas requiring rapid application, Hammerfast RM-150 R & SL-272 Rapid products should be used.

Application

Before use, Hammerfast AC-600 should be thoroughly mixed. After the substrate preparation is completed, the adhesive is poured onto the floor and spread evenly using an appropriately sized notched trowel, depending on the condition of the substrate. The floor covering should be installed immediately without waiting.

Right after installation, a roller should be applied over the floor covering to eliminate air pockets and ensure full contact with the adhesive, removing any areas that have not properly bonded.

Consumption

Depending on the trowel size, flooring type, and surface smoothness, consumption is 250–300 g/m².

Technical Properties

Color/Appearance	White / semi-fluid liquid
Content	Solvent-free acrylic copolymer-based
Working Time	20-25 min.
Time to Open to Traffic	24-48 hours
Final Drying	3-4 days
Application Temperature	+15 °C / +30 °C
Density	1,35±0,05 kg/lt
Heat Resistance	+70°C (In underfloor heating systems)
Shear Shear Strength	≥ 0,3 N/mm ² (EN 1373)
Peel Resistance	≥ 1,0 N/mm (EN 1372)
Dimensional Deformation	≤ %0,2 (EN 1903)
HS Code	3506.10.00.90.19

Note: Note: Values are based on conditions of 23 ± 2°C and 50 ± 5% relative humidity.

-Performance tests were conducted according to DIN EN 14259.

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Important Notes

- Hammerfast AC-600 is ready to use; no foreign substances should be added.
- Installation should be carried out immediately after trowel application, without waiting for the adhesive to develop tack (skin formation).
- In underfloor heating systems, the heating should be operated for 10 days before installation and turned off during application. It can be restarted 72 hours after application.
- Optimum working conditions are 18–25°C, with a floor temperature of 15°C / 59°F. Relative humidity should be below 75%.
- Low temperatures and high humidity extend drying time, while high temperatures and low humidity shorten it.
- Welding of covering joints should be carried out at least 24 hours after bonding.
- Open time and drying time vary depending on substrate temperature and absorbency.
- Hammerfast AC-600 must not be exposed to sunlight or high temperatures during transport or storage. High temperatures may increase viscosity and damage the chemical structure of the product.

Storage and Shelf Life

When stored in its original, unopened packaging in dry and moisture-free environments, protected from direct sunlight, and kept between +10°C and +35°C, the product has a shelf life of 12 months from the production date. When not in use, the lid must be tightly closed. Pallets must not be stacked on top of each other. High temperatures may increase viscosity and cause chemical degradation.

Packaging

- 1 kg
- 3 kg
- 8 kg
- 15 kg plastic pail

Cleaning of Tools

All tools used should 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 skin.
- May cause allergic reactions.
- In case of eye contact, rinse thoroughly with plenty of water and consult a doctor.
- Use gloves, goggles, and protective clothing during application.
- Wash hands thoroughly with water after application.
- For detailed safety information, read the Material Safety Data Sheet (MSDS).

Quality Certificates

- ISO 9001
- ISO 14001



Explanation Regarding CE Marking and Declaration of Performance

When used as recommended, Hammerfast AC-600 does not fall under a harmonized technical specification or National Technical Assessment / European Technical Assessment; therefore, CE marking cannot be applied and a Declaration of Performance cannot be issued.