

WP-600



Elastomeric resin-based, UV-resistant waterproofing membrane

Description

Hammerfast WP-600 is a single-component, elastomeric resin-based, solvent-free, ready-to-use waterproofing material. After curing, it forms a seamless, highly elastic, UV-resistant membrane with excellent crack-bridging ability and long-term durability. Suitable for both horizontal and vertical applications.

Advantages

- Ready to use
- Solvent-free and environmentally friendly
- High flexibility and crack-bridging capability
- UV resistant
- Excellent adhesion to many surfaces (can be applied on metal surfaces)
- Forms a seamless, waterproof membrane
- Resistant to weather conditions and freeze-thaw cycles
- Water vapor permeable (breathable)
- Easy to apply by brush, roller, or spray

Areas of Use

- Waterproofing under tiles and ceramics in all wet areas
- Sloped terraces, balconies, and roofs
- Balconies and verandas
- Concrete surfaces
- Metal roofs and sheets
- Drip edges, gutters, and drainage channels
- Waterproofing around chimneys, eaves, gutters, and drains
- Bituminous membranes
- Prefabricated panels
- Exterior walls.

Surface Preparation

- The application surface must be dry, sound, and free from dust, oil, grease, and loose particles.
- Any protruding steel or wooden pieces on the surface must be removed, and cracks or damaged areas in the substrate should be repaired with Hammerfast RM-150 repair mortar.
- Hammerfast WP-600 should be diluted with water at a ratio of 3:1 and applied as a primer in one.

Application

- Hammerfast WP-600 is ready to use.
- The ready mixture should be applied in at least two coats by brush, roller, or spray method.
- The first coat should be applied in a single direction and allowed to dry (6 hours).
- The second coat should be applied perpendicular (90°) to the direction of the first coat.
- A minimum of 10 hours should be allowed between coats.
- Hairline cracks, joints, corners, and edges should be reinforced with polyester felt after the first coat application.

Technical specifications

Color and Appearance	White & grey liquid
Chemical Structure	Elastomeric resin-based, water-based
Packaging	5 kg - 10 kg - 20 kg
Type (TS EN 14891)	DM
Service Temperature	-20 °C to +80 °C
Application Temperature	+5 °C to +35 °C
Drying Time (Touch Dry)	2-4 hours
Waiting Time Between Coats	6 hours
Full Curing Time	24-48 hours
Time to Achieve Mechanical Strength and Waterproofing	7 days
Application Thickness	1.0-1.5 mm
Density	1,35 ± 0,05 kg/L
Tensile-Adhesion Strength Values	≥ 0.5 N/mm ²
Water Impermeability	No penetration and ≤ 20 g
Crack Bridging at Standard Conditions	≥ 2.5 mm
Adhesion Strength	≥ 1,50 N/mm ² (28 days)
Elongation at Break	≥ 400%
Capillary Water Absorption (TS EN 1062-3)	≤ 0,10 kg/(m ² ·h ^{0.5})
Solid Content	70-75%
Water Vapor Permeability	Permeable
UV Resistance	Excellent
Consumption	1,5-2,0 kg/m ² (for 2 coats)

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

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Consumption

For two coats, approximately 1,5–2,0 kg/m².

Consumption may vary depending on the surface roughness and absorbency.

Precautions / Important Notes

- Do not apply on frozen substrates or when freezing temperatures are expected within 24 hours.
- Application temperature should be between +5°C and +35°C.
- Avoid application under rain, strong wind, direct sunlight, or very high humidity.
- Protect freshly applied coating from rain, water, and mechanical damage until fully cured.
- Ensure adequate slope on horizontal surfaces to prevent ponding water unless the system is specifically designed for permanent water immersion.
- Highly absorbent surfaces should be primed to prevent pinholes and excessive consumption.
- Cracks, joints, corners, and details should be reinforced with suitable mesh or tape where necessary.
- Do not dilute unless recommended by the manufacturer.
- Apply in the recommended thickness; excessively thick single coats may cause cracking or improper curing.
- Allow sufficient drying time between coats.
- Not suitable for negative side waterproofing (water pressure from the substrate side).
- Avoid application on surfaces contaminated with curing compounds, sealers, or release agents.
- Use appropriate personal protective equipment during application.
- Keep containers tightly closed when not in use.
- Store away from frost, direct sunlight, and extreme temperatures.
- All technical values are based on laboratory tests. Actual performance may vary depending on site conditions. Proper application practices must be followed.

Storage and shelf life

Store in original, unopened packaging in dry, moisture-free conditions, protected from direct sunlight, at temperatures between +10°C and +35°C. Under these conditions, the shelf life is 12 months from the date of manufacture. Keep the container tightly closed when not in use. Pallets should not be stacked on top of each other.

Safety Precautions

- Keep out of reach of children.
- Do not eat or swallow.
- Keep away from foodstuffs.
- Do not inhale directly; avoid contact with the body.
- May cause allergic reactions.
- In case of eye contact, rinse thoroughly with plenty of water and seek medical advice.
- Use protective gloves, goggles, and clothing during application.
- Wash hands thoroughly with plenty of water after use.
- For detailed safety information, refer to the Material Safety Data Sheet (MSDS).

Packaging

It is available for sale in 5 kg, 10 kg, and 20 kg packages.

Cleaning of Tools

All tools should be cleaned with warm water immediately after application.

Quality Certificates

- CE
- ISO 9001
- ISO 14001



9001:2015

14001:2015