



AT 107

Water Based Epoxy Sealer

Pack Size
10Kgs

TDS Technical Data Sheet



Product Overview

AT 107 is a two-component, water-based epoxy Phenalkamine unpigmented sealer and binder designed for sealing surfaces and providing a robust bond to challenging or improperly prepared surfaces. It is known for its versatility and superior adhesion properties.

Key Features

- Applicable to wet or damp surfaces free from running or ponding water.
- Safe for use on freshly laid hardened (green) concrete.
- Tolerant of surfaces with subpar preparation.
- Seals and stabilizes dusty or loosely bound surfaces.
- Exceptional adhesion to various substrates, including brick, masonry, concrete block, concrete, compressed fiberboard, stone, and timber.

Benefits

- It can be applied to wet or damp surfaces without running or ponding water.
- Suitable for newly laid, hardened concrete.
- Strengthens weak or rain-affected concrete surfaces, creating a stable base for further treatments.
- Excellent penetration even into fine-grained substrates like high-strength concrete.
- Effective on surfaces with insufficient preparation.
- Seals and consolidates dusty or loosely bound surfaces.
- Strong adhesion to various substrates, including brick, masonry, concrete block, concrete, compressed fiberboard, stone, and timber.
- Non-flammable with minimal odour.
- Convenient 1:1 mixing ratio.
- Water-based for easy cleanup.
- Safe for use in sensitive environments such as around food or living areas.

Recommended Uses

- As a penetrating sealer to enhance bonding to high-strength concrete or other fine-textured surfaces.
- It is used as a consolidating sealer for aged concrete before applying other covering or coating systems.
- As a bonding agent for surfaces at risk of grease or oil contamination.
- As a consolidating sealer for rain-affected concrete to form a stable base.
- It is a waterproofing sealer for concrete, masonry, brickwork, fibre cement, plywood, and particleboard in wet areas.
- As an industrial dust suppressant and sealer for warehouse and factory floors where colour is not a concern.

Limitations

- Do not apply when the surface temperature is below eight °C, above 35°C, or relative humidity is above 90%.
- Curing reaction halts at temperatures below eight °C, resuming slowly as the temperature rises above 8°C.
- Ensure proper ventilation during drying and curing.
- Not stable under ultraviolet light unless submerged.
- It is only suitable as a sealer when used on trafficable surfaces.
- Avoid sandwiching water—or solvent-based adhesives between AT 107 and lower permeability floor coverings. Instead, use cement-based ceramic tile adhesives.

Important Considerations When: When used as a penetrating sealer, apply only the necessary amount to penetrate the substrate before applying other coatings. If a glazed surface forms, sand it before proceeding with different coatings. Alternatively, allow AT 107 about 1.5 hours to penetrate and then overcoat with a thin layer of AT 107 Water-Based Epoxy Membrane at a 10 square meters per litre coverage rate.

Surface Preparation:

1. Ensure all surfaces are structurally sound and free from contaminants.
2. Remove all existing coatings before applying AT 107, and open the concrete pores as much as possible using high-pressure water blasting or abrasive blast cleaning.
3. Thoroughly remove all concrete curing membranes or form release agents before application.
4. Allow AT 107 about 1.5 hours to penetrate, then overcoat with a thin layer of AT 108 Water- Based Epoxy Membrane at a coverage rate of 10 square meters per litre.

Application Guidelines: Individually mix each component until homogeneous, then thoroughly mix the two elements in a 1:1 ratio by volume, preferably using a power stirrer, until thoroughly blended. Avoid excessive aeration during mixing. Once mixed, apply a brush, roller, or spray application to ensure the product works well on the surface. Avoid excessive product to prevent glazing, leading to poor adhesion of subsequent coatings.

Cleaning Instructions: Thinning is generally unnecessary, except for very fine-grained substrates such as high-strength concrete, where the product may be thinned up to 20% with fresh, clean water. Clean all equipment with water or a water/detergent mix immediately after use, as AT 107 cures underwater if left on equipment.

Technical Data

Colour	Red-colored transparent
Finish	Clear gloss, which darkens and becomes matte with ageing
Volume Solids	22 ± 2%
Mixing Ratio:	1:1 (Part A / Part B) by volume
Pot Life	4 hours at 25°C
Coverage	8-14 m ² /liter/coat, depending on substrate porosity
Number of Coats:	1-2, depending on application purpose
Recoat Time	1.5 hours at 25°C and 50% R.H.
Full Cure:	7 days at 25°C and 50% R.H.

Pack Size

10Kgs



Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

Legal Disclaimer

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