

AMITEK HMC-501

Acrylic emulsion polymer for flexible cementitious mixes.

PRODUCT DESCRIPTION

AMITEK HMC-501 is a polymer modifier for cementitious mortars that enhances flexibility, adhesion, and water resistance. Applied over a nanopore-filling primer system based on AMITEK HWR 22 and AMITEK CMP-78, it forms a durable waterproofing layer. The system provides long-term protection on concrete and masonry substrates.

PERFORMANCE FEATURES

- ✓ Enhances flexibility and water resistance, improving the waterproofing performance of cementitious mortars.
- ✓ Provides strong adhesion to existing concrete and masonry substrates, ensuring a durable waterproof layer.
- ✓ Offers excellent resistance to aging, chemicals, and light exposure, ensuring long-term waterproofing durability.

TYPICAL PHYSICAL PROPERTIES

Specification data	Value
Visual Appearance	Milky white Emulsion
Specific Gravity Measured at 30°C	1.03
Solid Content	56.0 ± 1.0 %
pH (As Such)	7.0- 8.5
Film test	Clear, tacky film, free from bits
Viscosity (Brookfield LVF#1/60 @25°C)	500 -1500 cps

Note - These figures are meant solely as a reference and should not be utilized when preparing specifications.

RECOMMENDED USES

- Polymer-modified cementitious mortars and waterproofing coatings
- Terraces, flat roofs, balconies, and horizontal concrete surfaces
- Wet areas such as bathrooms, kitchens, utility spaces
- Repair mortars, screeds, plastering, and crack-bridging on concrete/masonry
- Cement-based waterproofing systems over suitable primed surfaces

ADVANTAGES

- Provides excellent waterproofing and flexibility when used at 20–30% polymer solid modification based on cement weight.
- Enhances crack-bridging ability, enabling the formation of flexible, durable coatings suitable for flat roofs.
- Improves compatibility with fillers and additives such as silica flour, chalk, ground quartz, and defoamers for customized formulations.
- Effectively modifies hydraulic binders and granular aggregates, including systems combined with bitumen emulsions.
- Improves overall coating durability and performance, even under demanding service conditions.

APPLICATION GUIDELINES

- Prepare the surface by applying a nanopore-filling primer layer using Amitek HWR 22 : Amitek CMP-78 : Water in the ratio 2 : 3 : 20 and allow it to dry thoroughly.
- Prepare the waterproofing mortar by mixing AMITEK HMC-501 : Cement : Water in the ratio 1 : 0.750 : 0.200 to achieve a smooth, lump-free consistency.
- Apply the prepared mortar uniformly over the primed surface using a trowel or spatula, ensuring proper compaction and adhesion.
- Maintain a uniform thickness and finish the surface before the initial set of the mortar.
- Coverage: Approximately 21 sq.ft per kg of AMITEK HMC-501-based mix, depending on surface condition and application thickness.
- Protect the applied area from rapid drying and carry out proper curing to achieve optimal waterproofing performance.

STORAGE

Store AMITEK HMC-501 in a shaded area, as it is non-flammable and non-combustible, and ensure it is not exposed to direct sunlight.

SHELF LIFE

12 months from the date of manufacture when stored in unopened, original containers under cool and dry conditions.

PACKAGING

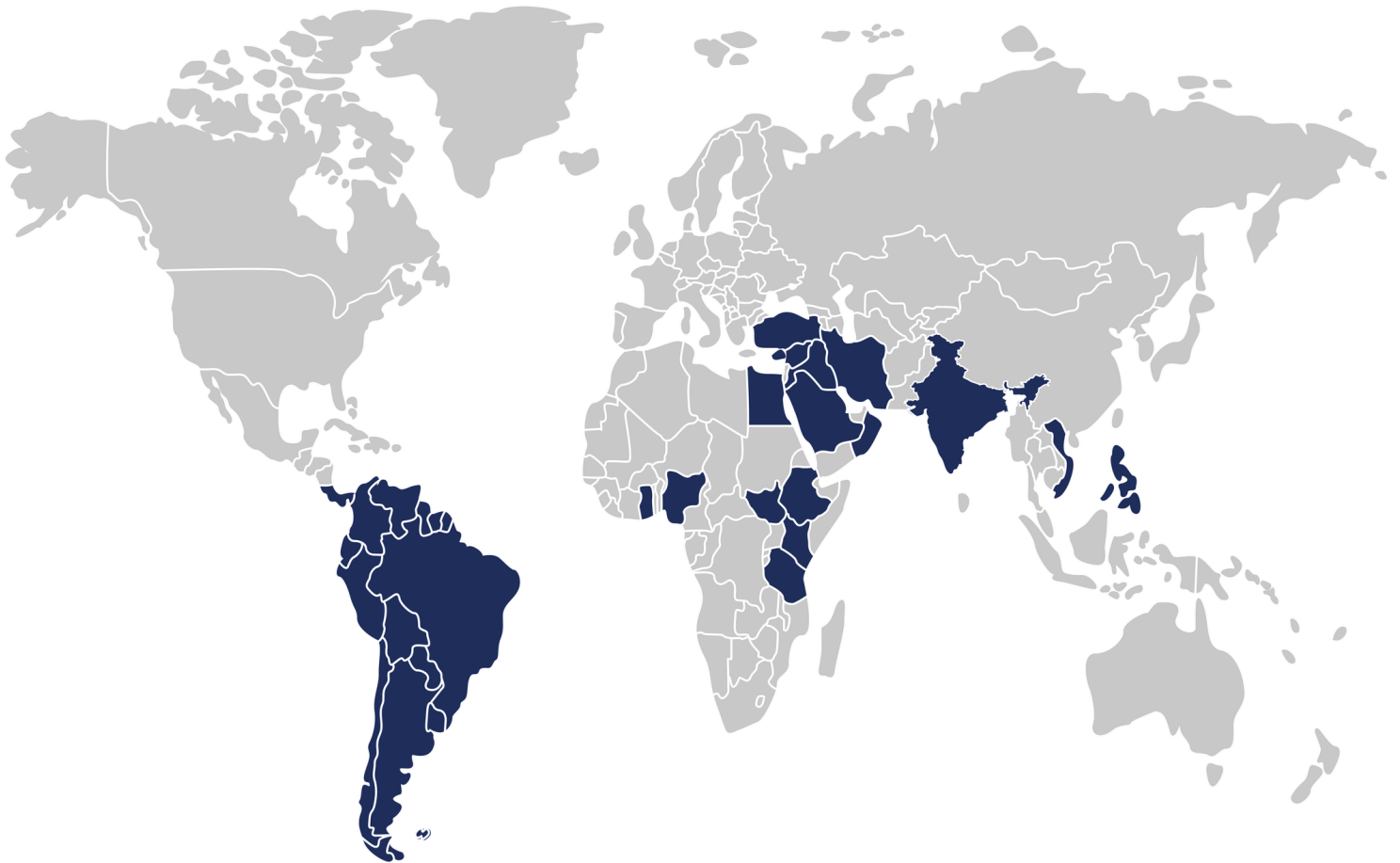
Available in 20 kg Bucket

ABOUT AMITEK

With Amitek, APP Paints & Chemicals Pvt. Ltd. stands at the forefront of innovation in construction protection technology. With over two decades of industry experience, we specialise in developing high-performance waterproofing systems that ensure the long-term durability and integrity of every structure.

As part of the Amitek Group, we combine advanced material science with practical on-site expertise to deliver reliable, sustainable, and efficient waterproofing solutions for residential, commercial, and infrastructure projects. Our commitment to quality, innovation, and technical excellence has made us a trusted name in the waterproofing industry – protecting structures, preserving investments, and building confidence across every layer.

GLOBAL PRESENCE



AMITEK

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