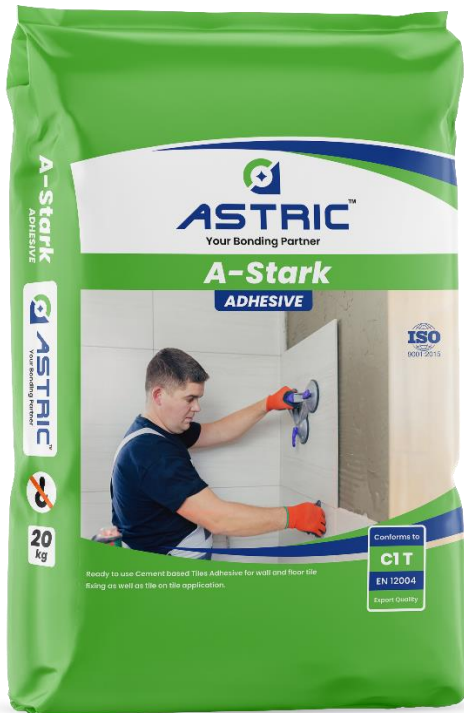


TECHNICAL DATA SHEET

ASTRIC™ A-STARK



ASTRIC "A-STARK" POLYMER & CEMENT BASED PREMIUM FLOOR AND WALL TILE ADHESIVE

A high-performance polymer-based adhesive to be mixed with water installing wall- Small & floor-medium format ceramic tiles, vitrified tiles.

APPLICATION

Designed for interior floor & wall areas.

ADVANTAGES

- For fixing ceramic, vitrified tiles & natural stone on interior flooring
- Ideal for tile-on-tile & new flooring
- High bond strength
- Single component -Just add water

SUITABLE SUBSTRATES

- Concrete
- Cement Mortar Beds
- Existing Tiling on Floor & Wall
- Concrete Masonry
- Ceramic Tiles and Stones
- Cement Plaster
- Brick Masonry
- Cement Terrazzo



TECHNICAL DATA

Performance Properties:

ASTRIC™ A-STARK

Application Standards:

EN:12004/ISO 13007:C1T, TYPE 1 ADHESIVE

EN/ISO Data		
Property: Test Method	Requirement	Typical Values
Slip Resistance: EN 1308	≤ 0.50 N/mm ²	≥ 0.40 – 0.45 N/mm ²
Open Time: EN 1346	≥ 0.50 N/mm ²	20 - 30 Minutes
Tensile Adhesion Strength		
After Water Immersion: EN 1348 – Clause 8.3	≥ 0.50 N/mm ²	≥ 0.60 - 0.65 N/mm ²
Initial: EN 1348 – Clause 8.2	≥ 0.50 N/mm ²	≥ 0.55 - 0.65 N/mm ²
Freeze – Thaw : EN 1348 – Clause 8.5	≥ 0.50 N/mm ²	≥ 0.55 - 0.65 N/mm ²
Heat Ageing: EN 1348 – Clause 8.4	≥ 0.50 N/mm ²	≥ 0.55 - 0.65 N/mm ²

Packaging:

20 kg

Colour:

Grey

Working Properties at 70°F (23°C):

ASTRIC™ A-STARK C1 T

Pot life	2 – 3 Hours
Time to Heavy Traffic	16 – 24 Hours
Open Time	20 - 30 Minutes
Adjustability Time	45 Minutes

Specifications may change without prior notice. The displayed results are typical and based on test procedures; field performance will vary depending on installation techniques and site conditions.

The Adhesive mortar conforms to EN12004 / ISO 13007 as C1T Adhesive.

Coverage Details (per 20kg bag:)

Trowel Size	Average Bed Thickness	Minimum Coverage	Maximum Coverage
6 × 6 mm Square Notch	3 mm	50 ft ² /4.65m ²	55 ft ² /5.11m ²
9 × 9 mm Square Notch	4.5 mm	35 ft ² /3.25m ²	40 ft ² /3.71m ²
12 × 12 mm Square Notch	6 mm	30 ft ² /2.79m ²	32 ft ² /2.97m ²
18 × 18 mm Square Notch	9 mm	20 ft ² /1.85m ²	22 ft ² /2.04m ²
6 mm surface levelling + 12 × 12 mm square Notch	12 mm	15 ft ² /1.39m ²	17 ft ² /1.58m ²

*Coverage will vary depending on the type of size of tiles: substrate smoothness and unevenness.

Installation Guide for ASTRIC™ A-STARK

Surface Preparation:

- Ensure all surfaces are structurally sound, clean, and free of dirt, oil, grease, loose paint, laitance, concrete sealers, or curing compounds.
- Proper surface preparation is crucial. Remove any demolding wax powder from the back surface of the tile. If a fiber mesh is present on the back surface, ensure it is completely removed before proceeding with the installation using ASTRIC™ A-STARK.
- Dry, dusty concrete or masonry surfaces should be moistened, and any excess water should be removed. You can install on a damp surface. New concrete slabs need to be damp-cured and must be 28 days old before applying.

Material Preparation & Application:

Mixing Procedure:

- Place clean, potable water into a clean mixing bowl. Add ASTRIC™ A-STARK Super Flex powder. Use approximately 5.5–6 L of water for 20 kg of powder. Mix with a low-speed paddle drill to achieve a smooth, paste-like consistency. Let the mixture stand for 5-10 minutes, then stir again before use. Stir occasionally without adding more water. Properly mixed, troweled ridges should stand without slump.

Mixing Ratios:

- Mix 5.5-6 L of clean water with a 20 kg bag of mortar.

Application of Product:

- Apply adhesive to the substrate using the flat side of a trowel, pressing firmly to ensure it adheres to the surface. Then, use the notched side to apply additional adhesive. Select the appropriate notched trowel size to guarantee full bedding of the tile. Spread only as much

adhesive as can be covered with tile within 10 minutes.

- For large format tiles (over 12"x12"), apply adhesive to the back of the tiles to ensure full support and bedding. Place the tiles into the wet, sticky adhesive and use a beating block and rubber mallet to embed and level them. Periodically check for complete adhesive coverage by removing a tile and inspecting the adhesive transfer onto the back.
- Joints between tiles/stones, following the joint width recommended by the architect or engineer. Remove the spacers once the adhesive is firmly set. If the adhesive has skinned over and is no longer sticky, remove it and apply fresh adhesive. For highly absorbent natural stones that may develop wet patches from the adhesive, it is advisable to use an appropriate Laticrete impregnating sealer on all sides.

Tiling in Hot and Cold Weather:

For detailed guidelines on tiling in hot and cold weather, refer to the technical document.

Grouting:

- Begin grout installation only after a minimum of 24 hours of curing time at 23°C.

CUSTOMER CARE :

ASTRIC™ INDUSTRIES

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