



3100 Peden Road, Fort Worth, TX 76179

Austin Stone Technical Bulletin

Description: A pre-blended product that can be used on existing concrete surfaces. This material is placed approximately 3/8" thick and carved to shapes such as stone, brick, tile, or other authentic type surfaces. This product can be used on exterior floors, driveways, patios, pool decks, and other surfaces for vehicular and pedestrian traffic.

Surface Preparation: All surfaces shall be clean and free of dirt, dust, paint, sealers, form releases, curing agents, grease, oil, or any inhibiting mixed material that would impede the penetration of Unipas Polymer to the substrate pores. Any material that would cause de-lamination must be removed. Pressure washing, sand blasting, water blasting, grinding & shot blasting are suggested procedures for removing contaminants from the surface. On existing surfaces, not subject to these conditions, pressure washing and 30 parts water to 1 part acid should be considered for smooth, steel troweled, or formed concrete.

Mixing & Application:

1. **Bonding Primer:** Begin with a properly prepared dry substrate. Apply Unipas Polymer undiluted over saturated substrate. Scrub polymer into the surface with a medium to stiff broom or brush. Make sure to cover all areas that will be receiving the overlay mixture. Allow this primer to dry to a clear film. Do not walk on the dried primer unless the use of proper footwear that will not tear the film from the concrete has been attained. Suggested footwear, spikes.
2. Depending on the desired application, the addition of 5 to 6 quarts of clean potable water per 50 lb bag of Austin Stone. Slowly add the 50 lb mixture of overlayment to the water and mix for approx. 3 to 4 minutes, until a lump free consistency has been obtained. Allow mix to rest for 5 minutes then mix again for 30 seconds to a minute. Add water if needed. Place material onto the surface and screed with a gauge rake set to the desired thickness. Smooth out material with a Fresno, or hand held trowels to consolidate the material.

Precautions:

- Do not allow the Unipas Polymer mixture to freeze.
- Apply between the temperatures of 60 – 100 degrees Fahrenheit.
- Allow 4-7 days of curing before opening to vehicular traffic.
- Keep installed material from freezing for a minimum of 48 hours.

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Warning: This product contains Portland cement; avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with water for 15 minutes. Consult a physician immediately. Keep out of the reach of children. Contains free silica – **Do Not** breath dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See Material Safety Data Sheets for detailed information.

Coverage Rates: A 50 lb bag of Austin Stone overlay will cover approximately 15 square feet @ 3/8" thick, or 22 square feet at 1/4 thick.

TECHNICAL DATA:

ASTM C – 109

Compressive Strength

1 day 1500 PSI

7 days 3250 PSI

28 days 5890 PSI

ASTM C – 190

Tensile Strength

1 day 280 PSI

7 days 560 PSI

28 days 890 PSI

ASTM C – 348

Flexural Strength

1 day 210 PSI

7 days 290 PSI

28 days 550 PSI

Abrasion Resistance – GMS Lost

1/4 "Thickness Patch

after 24 hours - 1

after 7 days - 1

WARRANTY STATEMENT

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