

Bonding Agent

Product Data Sheet



ArcusStone®

Product Description

A non-toxic, non-flammable, freeze/thaw stable liquid re-emulsifying bonding agent that provides a strong chemical bond between ArcusStone coatings and substrates.

Uses

Suitable for use on exterior and interior surfaces such as cement plaster stucco, poured concrete, masonry, cement board, drywall, ceramic tile, natural stone and gypsum plaster.

Availability

5 Gal. pails (18.93 L)

Coverage

200-300 sq. ft. / gal. Coverage will vary depending on substrate conditions and method of application.

Limitations

Do not apply to wet, hot, frozen, or thawing substrates. Do not apply as a water barrier or where hydrostatic pressure is present, such as a retaining wall. Do not apply to concrete or other substrates poured or placed against earth. Product will not prevent efflorescence formation.

Technical Data

Application

Airless sprayer, brush, or roller.

Climatic and Environmental

For optimal workability and performance, product should be used when ambient temperature is between 45°F (7°C) and 90°F (32°C).

Substrate Preparation

Substrate must be sound, dry, and free of cracks, dirt, efflorescence, or other contaminants which may affect performance. Review the ArcusStone Application Manual Section 2 for Substrate Preparation and the use of this product over certain substrates.

General Application Procedures

Product comes ready to use; however, it should be thoroughly stirred before each use. Do not shake or use mechanical mixers.

Apply using brush, roller or spray, to a uniform coat of at least 5 mils, with no bare spots. Allow to dry to the touch and cure at least one hour prior to ArcusStone material overlay application.

In a dry environment (interior), Bonding Agent can be applied up to 3 days prior to ArcusStonecoat or ArcusPlaster application.

In a damp environment (exterior), subject to higher humidity, fog, water vapor, condensation, or other moisture contact, apply Bonding Agent the same day of ArcusStone material application.

Clean Up

Immediately clean tools and inadvertent applications with water and mild detergent, rinsing with clean water. If allowed to dry, a solvent such as acetone may be required for removal.

Precautions

Use with adequate ventilation, wear eye protection, dust mask, protective clothing, and gloves or protective cream on hands. If product contacts eyes, flush with clean water for 5 minutes and seek medical attention if irritation persists.

Storage

Store out of direct sunlight and in temperatures between 40° and 100°F (4.5° to 38°C). Store on pallets under cover, not exposed to weather. Do not stack more than 2 pallets high. Protect from freezing. If subjected to freezing, do not add additional heat to thaw. Slowly thaw at room temperature and thoroughly stir product before use. Store opened containers with the lid securely placed, wiping the lip of the bucket before resealing.

Shelf Life

Rotate stock. Product has a 1 year shelf life in unopened original pails, or 6 months in container that has been opened but properly resealed.

Warranty

ArcusStone Products LLC warrants that at the time of product shipment it will be in conformance with current published specifications for said product.

Technical Support

For questions concerning this product or its use, contact ArcusStone Technical Services at (415) 339-4060.

Physical and Performance Characteristics

Fire Resistance	ASTM E-119 (bonded assembly) Passed 2 hr Fire Test @ 1800°F
Flammability	Meets MIL-B-1923C, non-flammable
Acid Resistance	Unaffected by alkalinity of cement
Freeze-Thaw	5 freeze cycles @ -10° F, stable
Temp Range	ASTM C-109 no loss of bond, 400 psi
Shear Bond	ASTM C-1042 740 psi av. @ 14 days
Flexural Bond	ASTM C-78 (bonded assembly) 603 psi av.
Tensile Bond	ASTM C-932 (bonded assembly) 385 psi av. @ 28 days
Odor	None when dry