



# POLYMERIC SAND

**ProMasonry Polymeric Sand is a virtually dustless blend of water-stable polymers with precisely graded aggregates that cure to a durable and resilient joint.**

## PRODUCTS

- **Versa-Joint** – 1/4 to 2 inches available in Beige and Gray.

## CHARACTERISTICS

- Virtually dustless – minimal clean up.
- Available in two colors.
- Will not support biological growth and mold.
- Mitigates joint erosion.
- Defends against joint damage from ants and insects.
- Helps prevent weed growth in the joint.

## PREPARATION

- It is highly recommended to refer to the ICPI (Interlocking Concrete Pavement Institute) Tech Spec #2 prior to beginning work.
- Pavers must be set on a proper drainage bed of stone and sand.
- Pavers must be thoroughly compacted with a vibrating plate compactor.
- Paver surface must be **completely dry** prior to placing sand.

## PLACEMENT

- Pour Polymeric Sand evenly across the entire area to be grouted.
- Sweep polymer sand into the joints using a hard-bristled broom.
- Compact with a vibrating plate compactor.
- Repeat the first three steps to ensure tightly packed joints.
- Sweep off **all** excess polymer sand using a fine-bristle broom.
- Blow off remaining residue using a leaf blower.
- Inspect joints; the polymeric sand must be level with the bottom of the paver chamfer.

## WETTING

- The wetting process is critical to a successful installation. If water is applied with too much pressure or allowed to pond before the polymeric sand is fully cured, the reactive ingredients will be washed through the sand and produce a weak joint. Polymer Sand should be wetted in three (3) steps. All three wettings must utilize a fine misting spray. If the area is large enough, it is recommended that it be sprayed in 400 square foot sections taking approximately 10 minutes per section and 10 minutes between steps.

- **STEP 1** – Hold the nozzle at an approximate 45° angle using a fine mist spray. Direct the spray into the air making sure that an even coverage is obtained. It is crucial that the joints be wetted evenly and lightly to activate the reactive ingredients. **Do not** spray directly at the joints, and **do not** saturate or allow water to pond.

Allow the area to set for 10 to 15 minutes before starting **STEP 2**. During this time the first step can be performed on another section.

- **STEP 2** – Continue to mist as in **STEP 1**. This time work slower to allow more water to penetrate the joint material. Water will have a slight resistance to penetrating the sand. At this point, move on to another area of the section.

Allow the area to set for 10 to 15 minutes before starting **STEP 3**.

- **STEP 3** – During this step continue as in **STEPS 1 and 2**, the resistance of the sand to absorb water will be more obvious. **Do not** allow water to pond on the joint as this can cause the active ingredients to be washed from the area.

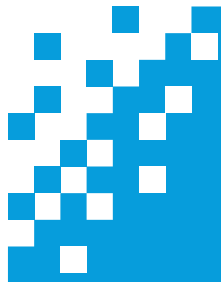
This three step process of gentle cycles of wetting with 10 to 15 minute intervals to allow the water to percolate through the polymer sand is necessary to achieve a joint material that has the performance properties described on this technical bulletin.

Protect the joints from rain for 12 hours to ensure proper curing.



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**PROMASONRY**<sup>®</sup>  
PROFESSIONAL QUALITY CEMENT PRODUCTS



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## PRECAUTIONS

- Inadequate compacting before wetting.
- Not wetting the joint – Unintentionally missing an area.
- Over wetting the joint during installation.
- Allowing water to pond on the joint during the wetting process.
- Too high a water pressure.
- Not protecting from rain during the 12 hour curing period.
- Applying polymer sand to wet or damp pavers resulting in a white surface film.
- Installing polymer sand –  
When temperatures are less than 40° F.  
When the ambient temperature is 40° F the paver is likely to be lower than 40° F.  
When the paver temperature is below 40° F the active ingredients will not react and a failed material will result.

## LIMITATIONS

- Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40° F for 24 hours.
- Water under pressure directly on the polymer sand to cure will result in erosion of the sand.

## TECHNICAL DATA

- ASTM C403 (modified) – 7 day Penetrometer.
- **Versa-Joint** – 1,400 psi
- Inclined driven rain simulation – 4 hours, no erosion.

## YIELD

- Yield per bag is 0.5 cubic feet based on a 2 x 4 x 8 inch paver.
- 1/4 inch joint requires 4 bags per 100 square feet of area.
- 1/2 inch joint requires 7 bags per 100 square feet of area.
- 1 inch joint requires 14 bags per 100 square feet of area.

## HEALTH AND SAFETY

- Product is alkaline.
- Do not ingest.
- Avoid breathing dust.
- Avoid contact with skin and eyes.
- Refer to Material Safety Data Sheet (MSDS) for additional information.
- Keep out of reach of children.

## FIRST AID

- In case of skin contact, wash thoroughly with soap and water.
- For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional.
- For respiratory problems remove person to fresh air.

## DISPOSAL

- Dispose of material in accordance with local, state or federal regulations.

### MANUFACTURER'S LIMITED WARRANTY

Conproco Corp. warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current technical data sheet if used as directed within shelf life. User determines suitability of product for use and assumes all risks.

Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor. March 2013

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# PROMASONRY®

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