



#505 PUDDLE PLASTER

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION:

Elastek® #505 Puddle Plaster is a lightweight, trowel-grade, black reinforced filler used to eliminate or reduce small ponds of water. Reinforcing fiberglass fibers strengthen the coating and allow for thicker applications. Once cured and top coated, Puddle Plaster is firm, durable, and will not re-emulsify in ponding water.

TYPICAL USES:

Puddle Plaster can be used in scupper areas, around drains and valleys, and in low areas expected to trap water. It will not re-emulsify in ponding water. Once cured and top-coated, this emulsion is firm, durable, and flexible. *Puddle Plaster* is not elastomeric. *Puddle Plaster* should be coated with E-las-tek® #500 Sealer Emulsion or an E-las-tek® topcoat to fill any pinholes and to protect from sun damage.

- Usually, will not discolor white topcoat
- May be used over most existing asphalt roofing
- May become soft in hot weather unless top coated with a reflective coating
- May be used on asphalt built-up, granulated, modified bitumen, and metal roofs

SURFACE PREPARATION:

- *Puddle Plaster* is filler, not a patching material. Always repair leaks before applying.
- All surfaces must be thoroughly cleaned to remove oils, gravel, granules, loose coating, chalk, dirt, rust, corrosion, efflorescence, bond-breakers, and mildew to assure coating adhesion.
- Rust/corrosion must be removed, followed by a coat of commercial rust-preventive primer.
- Surfaces affording poor adhesion should be pre-coated with E-las-tek® #500 Sealer Emulsion.

APPLICATION:

Apply only in good weather when ambient temperatures exceed 50°F and no rain, dew, or frost is expected for 48 hours. Direct sun speeds drying.

- Apply with trowel or straight-edged tool at rate not to exceed ½ inch per coat.
- Material is very thick and will require smoothing.
- Dampen trowel to reduce sticking; smooth surface.
- Use E-las-tek® #500 Sealer Emulsion or topcoat to smooth and seal surface when dry.
- To avoid softening and damage from sun exposure, Puddle Plaster must be covered with two coats of a reflective topcoat.

- Before applying reflective topcoat, allow Puddle Plaster to cure for a minimum of 7 days, rinse off surface oils with clean water, and allow to dry thoroughly. Prior to installing an Elastek reflective coating prime the cured and rinsed Elastek #500 emulsion or #505 Puddle Plaster with Elastek #121 High-Tek Basecoat, this improves topcoat adhesion and reduces asphalt bleed-through. Use in conjunction with an E-las-tek® reflective coatings.

- **Solids by volume exceed 50%.**
VOC Content < 1 g/l

APPLICATION LIMITATIONS:

Normally, it is not necessary or practical to eliminate all water ponding. Reducing the size and depth of a pond reduces the time standing water remains on the roof.

- Puddle Plaster is intended for addressing localized ponding. Larger drainage problems should be referred to a qualified roofing contractor for immediate correction.
- While Puddle Plaster retains some flexibility, it is not elastomeric.
- Do not apply at temperatures below 50°F (10°C).
- Not for use on foam or gravel roofs
- Call HOLCIM SOLUTIONS AND PRODUCTS US, LLC before applying to single-ply roofs.

COVERAGE:

5 gallons will cover an area approximately 4 ft x 4 ft area, 1/2 inch-deep wet. (16 square feet)
Material will dry to about 3/8 inch. *Puddle Plaster* is not intended to cover large areas.

STORAGE:

Keep Puddle Plaster containers tightly sealed and protected against high temperatures. This product will freeze and should not be stored below 35°F (2°C).

Storage beyond six months may cause the product to thicken. In such cases, the product should be diluted with clean potable water at a rate not to exceed one part water to six parts coating (1:6). Dilute slowly and mix thoroughly, adding only enough water to permit application at the proper coverage rate. Mechanical mixing is highly recommended. The product should NOT be diluted beyond the maximum dilution rate of 1:6 as this will affect product performance.

SHELF STABILITY: 6 months

SAFETY:

Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Wear protective goggles, gloves, and clothing. Avoid prolonged breathing of vapors. Use with adequate ventilation. Do not take internally. Store and use away from heat. Close container tightly after each use. Do not transfer to unlabeled or breakable containers. Use only for purposes intended. **KEEP OUT OF REACH OF CHILDREN.**

EFFECTS OF OVEREXPOSURE:

Contact with eyes or prolonged or repeated contact with skin can cause irritation and inflammation. Prolonged breathing of vapors can cause respiratory difficulty, dizziness, headache, nausea, irritation of nose or throat, drowsiness, blurred vision, and coma. Ingestion can expose person to an order of oral toxicity; aspiration into lungs can cause serious injury or death.

FIRST AID PROCEDURES:

Eye Contact: Flush with water for 15 minutes. If redness persists, seek medical attention immediately.

Skin Contact: Wash with soap and water after wiping off excess material.

If irritation persists, seek medical attention.

Inhalation: Remove to fresh air. If breathing difficulty persists, give oxygen or resuscitate and **SEEK MEDICAL ATTENTION IMMEDIATELY.**

Ingestion: Induce vomiting. As vomiting occurs, keep head below hips to prevent aspiration. **SEEK MEDICAL ATTENTION IMMEDIATELY**

All of the latest updates to product data and specifications are available at holcimelastek.com. Since product data and specifications change, it is the user's responsibility to make certain the most current versions of product data and specifications are being used.

PRIOR TO USE OF THIS MATERIAL, READ ALL APPROPRIATE SAFETY DATA SHEETS.

PRODUCT WARRANTY:

INSTALL AS DIRECTED ON ELASTEK® PRODUCT DATA SHEET. USER DETERMINES SUITABILITY FOR INTENDED USE AND ASSUMES ALL RISK AND LIABILITY. THIS PRODUCT IS SOLD "AS IS." EXCEPT AS REQUIRED BY LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IF TERMS ARE NOT ACCEPTABLE, RETURN UNOPENED PRODUCT TO PLACE OF PURCHASE. DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THESE PRODUCTS.

Complete technical information is available from
Holcim Solutions and Products US, LLC

TECHNICAL SERVICE