

USP® 640 STANDARD PLASTIC ROOF CEMENT

Product Data Sheet



U.S.
PLY,
INC.

Description: USP® 640 Standard Plastic Roof Cement is a contractor grade, trowel-applied mastic formulated as a multi-purpose cement to repair leaks, cracks, splits, holes in roofing membrane and shingles. It applies fast and smooth and breaks cleanly off the trowel without stringing. This product is asbestos free.

Use: Can be used to set metal flashings and used with fiberglass, polyester fabrics or roll roofing for permanent repairs.

Surface Preparation: All surfaces to be adhered must be clean, dry and free from any foreign matter, such as oil, grease, dirt or any debris that could inhibit the bonding capabilities of the adhesive.

Storage/Handling: Keep away from heat, open flame and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Do not allow adhesive to freeze. Do not thin with additional solvents. Temperatures should be above 40°F as adhesives tend to thicken in cold weather and can result in excessive quantity application. For best results, keep material temperatures above 70°F. Store material at 70°F (21.1°C) for at least 24 hours prior to application if the ambient temperature is 50°F (10° C) or below.

Application: Remove lid. **Do not thin.** Apply evenly with a pointed roofer's trowel or gloved hand at the rate of 1/8 to 1/4 of an inch thick, depending upon the absorbency of the substrate. Spread the adhesive in a uniform, smooth, even coat without gaps, dry areas or bubbles. May be reinforced with glass membrane or polyester fabric to strengthen the repair. When making a permanent repair to a blister, open up the area and allow it to dry thoroughly. (Refer the U.S. Ply application and installation instructions for specific installation procedures)

Coverage: Coverage rate is approximately 8 - 12 gallons per 100 sq. ft. (1/8 to 1/4 of an inch thick depending on the absorbency of the substrate. Note: Increased rates of application will prolong the curing process.

Clean Up: May be cleaned with mineral spirits or naphtha. Use care when handling solvents. Clean hands with waterless hand cleaner.

Product Data: USP® 640 Standard Plastic Roof Cement (typical)

% Asphalt: 50 min.

% Solids: 80 min.

% Non-Volatile (D-2823): 76 min.

VOC: 180 g/l max

Weight per gallon: 9.7 lbs/ gal

Flash Point (TCC) +100°F (38.7°C)

Meets or exceeds ASTM D 4586

Packaging: Available in 5 gallon pails

Cure Time: Cure time will be between 24 and 48 hours and is dependent on several factors including but not limited to ambient temperature and film thickness. The strength of the adhesive will continue to increase beyond this initial bonding period.

Compatibility/Limitations: Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar products. Do not use with modified bitumen membranes. Do not use over solvent sensitive insulation.

Shelf Life: Two years from date of manufacture.

Caution: Combustible mixture, keep away from heat, open flame and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application. Avoid prolonged contact with skin or flames. If irritation occurs seek medical attention. Cover rooftop air intake vents when applying the primer - to minimize the solvent odor. Use with adequate ventilation and close containers when not in use. If TLV is exceeded, respirators are required (NIOSH/MSHA). Inhalation of high vapor concentration may result in headaches and/or dizziness.



PROUDLY
MADE IN THE U.S.A.

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