

USP® ENERGY MASTIC

Description: USP® Energy Mastic is a 100% acrylic based elastomeric mastic that is designed for use with properly prepared metal, asphalt, modified bitumen and most single-ply surfaces in conjunction with USP® Energy Coating systems.

Use Intended for metal roof seams, screw heads, fasteners, vents, and other protrusions and penetrations. Patch and repairing blisters, cracks and seams in existing, asphalt, modified bitumen, metal, Kynar®, concrete, TPO, Hypalon (CSPE), fiberglass, PVC, and Elvaloy® based PVC. Used in maintenance and repair products for all roofs.

Product Data:

USP® Energy Mastic (typical)

Color: White

% Solids by weight: 64 min.

% Solids by volume: 64 min.

Elongation: 350% min. @ 77°F (25°C)

Weight per gallon: 11.3 lbs.

Flash point (TCC): None

VOC: < 50 g/L

Container sizes: 3.5 Gal

Surface Preparation: Surfaces to be coated must be clean, paintable and free of foreign materials, oils, grease, mildew and other contaminants that may affect the bonding of the product. It is necessary to wash and prime to enhance adhesion by power washing and broom scrubbing with a diluted solution of USP® PreKote Clean-N-Prime. Rinse clean. Allow a minimum of 30 days weathering of modified bitumen and other asphaltic surfaces to reduce asphalt bleed through. Treat rust areas with USP® EnergyPrime. See application specification for more details.

Mixing: Remove lid. **No thinning or reducing is necessary.** Product may separate after shipping and storage, though it may still look mixed. Mechanically mix coating thoroughly and continuously before and during application. For best results, use a 3/4 horsepower or larger electric or air operated mixer with a blade capable of uniformly mixing the entire container. When product is in 5-gallon pails, use a 3" minimum diameter mixing blade. When product is in drums, use a 6" minimum diameter mixing blade.

WEATHER PRECAUTIONS:

Temperature:

Air and Surface: 40°F Minimum/120°F Maximum

Material: 50°F Minimum/100°F Maximum

CORPORATE HEADQUARTERS: P.O. BOX 11740, FORT WORTH, TEXAS 76110

Product Data Sheet



DO NOT APPLY WHEN THE TEMPERATURE CAN FALL TO WITHIN 5°F OF THE DEW POINT WITHIN 6 HOURS.

This product cures by flashing solvents. It is very important that this product is not used when weather conditions are below 40°F or when there is a chance that the temperature could fall below 40°F within a 24 hour period after application. Do not apply this product if rain or dew is likely to occur before drying of product. Late afternoon application is not recommended if high humidity conditions exist, which could cause high moisture concentration of the surface overnight.

Application: Apply to surface at a rate of approximately 1/4" thickness to seams and extend approximately 2 inches each side of seam, tool in place and feather MASTIC to provide positive slope. Embed USP® PolyForcement between two layers of mastic, coating the top of the fabric completely.

Coverage: Coverage will vary depending on surface and size of area being patched. One gallon will seal approximately 400 fasteners or 130 ft of seam @ 2 inch width. Note: Increased rates of application will prolong the drying time. Do not allow foot traffic until complete dry.

Storage/Handling: Observe normal safeguards for storing and handling of this product prior to and during

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application. **This is a water based product - Do not allow coating to freeze.** Do not thin. Coating can be applied within an ambient temperature range of 40°F (4.4°C) to 100°F (37.8°C). 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.

Caution: Observe normal safeguards for storing and handling of this product prior to and during application. Avoid prolonged contact with skin or inhalation of fumes. Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately. Keep out of the reach of children. Read MSDS prior to use. For Professional use only.

Clean Up: Keep containers covered when not in use. Clean equipment and spills with soap and water. Dried coating can be cleaned with USP® PreKote Clean-N-Prime. Clean hands with waterless hand cleaner.

California Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm.

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of these products are the sole responsibility of the buyer or buyer's representative. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY U.S. PLY, INC. EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.