

DESCRIPTION

DURATHANE™ II is a technologically advanced, high solids, single component, moisture cure polyurethane elastomer coating uniquely formulated for the protection of spray polyurethane foam insulation and traditional roofing substrates such as single ply membrane and BUR surfaces. Once cured this liquid applied moisture-curing polymer provides a durable, seamless, flexible, waterproof membrane that resists lateral movement, shear and will allow for normal expansion and contraction. Mil for mil, **DURATHANE™ II** provides greater UV protection than similar generic coatings and offers increased resistance to moisture penetration through its lower moisture vapor permeability values. Due to its moisture-cure properties, a longer production window can be achieved during application.

RECOMMENDED USES

DURATHANE™ II was specifically developed as a protective coating for sprayed-in-place polyurethane foam roofing. With excellent adhesion, **DURATHANE™ II** may be used as well for protection of conventional commercial/industrial surfaces such as, but not limited to, TPO and EPDM single ply membranes, modified bitumen, smooth BUR concrete, masonry, and the lining and sealing of interior gutter systems.

APPLICATION INSTRUCTIONS

DURATHANE™ II may be applied by medium nap rollers, soft brushes or conventional airless spray equipment. Prior to application, pressure all surfaces to remove all dirt and debris that may impede adhesion. Apply **DURATHANE™ II** only to clean, dry, sound surfaces free of loose particles or other foreign matter. Successive and/or top coats **MUST** be applied to the base and intermediate coats within 48 hours to insure proper adhesion. Apply **DURATHANE™ II** at a minimum rate of 1.25 gallon per 100 sq. ft. per coat. Minimum dry mil thickness shall be 25 mils. Do not apply if ambient temperature falls below 50°F (10°C). **PRODUCT APPLICATION SHOULD BE SUSPENDED IMMEDIATELY AND OUR TECHNICAL SERVICE PERSONNEL CONTACTED IF THE RESULTS BEING OBTAINED ARE LESS THAN DESIRABLE.**

LIMITATIONS & PRECAUTIONS

DURATHANE™ II AVOID MOISTURE CONTAMINATION IN SEALED CONTAINERS. Store in a dry environment at temperatures between 40°F - 100°F. **KEEP AWAY FROM HEAT, OPEN FLAME, OR SPARKS. USE ONLY IN WELL VENTILATED AREAS WITH PROPER PROTECTIVE EQUIPMENT.** Avoid breathing vapor or mist.

TYPICAL PHYSICAL PROPERTIES

| | |
|--|----------------------------|
| Solids by Weight ASTM D1644 | 79% |
| Solids by Volume ASTM D2697 | 68% |
| Weight Per Gallon | 9.0 lb./gallon ± 0.2 |
| Flash Point | 80°F (27°C) |
| Clean Up | Xylene |
| Shelf Life Unopened Containers @ 40 - 90°F (4 - 32°C) | 90 days |
| Viscosity | 3,000 ± 1000 cPs |
| Elongation | 350% ± 50 |
| Hardness (Shore A) | 69 |
| Tensile Strength | 1,000 psi ± 50 |
| Service Temperature | -50 - +200°F (-46 - +93°C) |

TEST INFORMATION

| | |
|-------------------------|-----------------|
| Permeability | .02 perm inch |
| Water Absorption | 2.4% |
| Adhesion | Exceeds Tensile |

CURING SCHEDULE

| | |
|-----------------------|---------------|
| Dry (to touch) | 6 hours |
| Tack Free | 8 - 12 hours |
| Recoat | 12 - 16 hours |



SEAMLESS SOLUTIONS FOR OVER 40 YEARS

WARRANTY & DISCLAIMER

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