



# ULTRASEAL 3750 MTO

## Bridge Deck Membrane

### PRODUCT DATA INFORMATION

#### DESCRIPTION:

Ultraseal 3750 MTO Bridge Deck Membrane is a hot applied waterproofing compound specially formulated to protect and waterproof bridge and parking decks. It is composed of synthetic rubber polymers, inert mineral stabilizers, may contain reclaimed tire rubbers and specially selected compatible asphalt cement and resins. These materials are homogenously blended to produce a compound that displays excellent low temperature flexibility, elongation, resilience, good adhesive properties, and will accommodate movements caused by thermal cycling.

Ultraseal 3750 MTO is a one part homogenous mixture that forms a monolithic, seamless waterproof, fully bonded membrane, almost immediately after application.

#### ADVANTAGES:

- Reliable
- Consistent
- Contractor Friendly
- Improved Adhesion
- Paving Compatible
- Verifiable Waterproofing Integrity
- Tough and Flexible

#### USES:

Ultraseal 3750 MTO is used to protect structures from damages caused by the infiltration of moisture, chlorides and other harmful materials. It is perfect for the following applications:

- Concrete bridge decks
- Parking garage decks
- Roofs
- Portland Cement concrete
- Asphalt concrete
- It can be installed over gypsum board, plywood or metal.

#### APPLICATION:

Material is heated in a thermostatically controlled melter that uses oil as a heat transfer medium and is equipped with a mechanically operated agitator. The melter should also be equipped with devices for measuring and controlling the temperatures of the heat transfer oil and the waterproofing material. Recommended application temperature is 190-210° C (374-410°F). Hot product is applied by spreading material with a rubber squeegee to obtain the required thickness.

#### PACKAGING:

- Cartons – max. 30 lb. (13.6 kg)
- 500 lb. (227 kg) open top drums, containing 10 individual 50 lb patties.
- Special packaging available upon request.

#### PHYSICAL PROPERTIES:

<u>Property</u>	<u>Test Method</u>	<u>Specifications</u>	<u>Typical Results</u>
Flash Point	CGSB-37.50-M89, ASTM-D-92	Min. 260°C (500°F)	270°C (518°F)
Penetration @ 25°C (77°F)	CGSB-37.50-M89, ASTM D-1191	110 Max.	60 Max.
Penetration @ 50°C (122°F)	CGSB-37.50-M89, ASTM D-1191	160 Max.	130 Max.
Flow @ 60°C (140°F)	CGSB-37.50-M89, ASTM D-1191	3.0 mm	1.0 Max.
Low Temperature Flexibility	CGSB-37.50-M89	Pass -25°C (-13°F)	Pass -25°C (-13°F)
Water Vapor Permeability	CGSB-37.50-M89, ASTM E-96 Procedure E	1.7 ng/Pa.s.m <sup>2</sup>	1.3
Ratio Toughness/Peak Load	CGSB-37.50-M89	0.04 Min.	0.06
Crack Bridging Capability	CGSB-37.50-M89	Pass -25°C (-13°F)	Pass
Softening Point °C	ASTM-D-36	—	80 min.
Safe Heating Temperature		210°C (410°F)	

**Conforms to CAN/CGSB-37.50M89. Meets the Ministry of Transportation, Ontario Canada Specifications.**

*Tested in accordance with Canadian Government Standards Board 37-50M-89 testing procedures. The physical and chemical properties are typical average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations.*

**LIMITATIONS:**

Ultraseal 3750 MTO membrane is not formulated to be permanently exposed to sunlight and application over lightweight concrete is not recommended.

