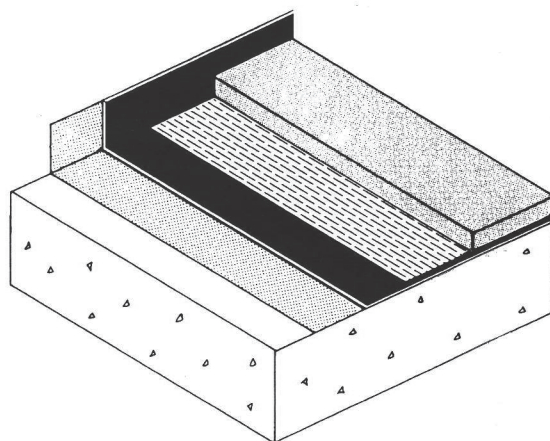







# Mastic Asphalt Traffic Topping

*Vulcan Florastic Mastic Asphalt for Interior Parking Levels*



- 5  MASTIC TOPPING
- 4  INTERLACING
- 3  RUBBERIZED MEMBRANE
- 2  PRIMER
- 1  TYPICAL SECTION

## Specification

Vulcan's traffic topping provides an exceptionally durable waterproofing system for parking garage slabs subject to water borne chloride deterioration. This dual composition system is comprised of a waterproof mastic asphalt wearing course placed on a hot applied rubberized membrane conforming to CGSB-37.65-M88.

Mastic asphalt has been in use for over a century as a waterproof protective surface.

Mastic asphalt can be defined as a material composed of suitably graded mineral matter blended with asphalt cement to form a cohesive, voidless and impermeable mass. It attains a degree of fluidity when heated and is then applied to any appropriate horizontal or sloped surface. Unlike other types of asphalt, mastic is voidless and laid without compaction, usually by means of a float. Being voidless, mastic has no cavities in which undesirable contaminants or chloride laden water can accumulate.

Upon completion the owner is left with a fully bonded, non-skid, waterproof and salt resistant traffic topping durable enough to withstand the constant rigors of a parking garage environment while minimizing ongoing maintenance costs.

The system has the capability of bridging and sealing cracks, construction and expansion joints. Mastic asphalt is also suitable for grading and sloping so as to reduce water ponding and enhance surface drainage. An additional benefit is derived from the quick curing time as the mastic topping is ready to accept traffic immediately upon cooling to ambient temperatures.

## Installation

- ① **Concrete** - On new concrete, water based and cured, only a fine broom sweep to remove loose and foreign materials is required. On old concrete, surface must be cleaned by blast track, water blast or mechanical abrasion.
- ② **Primer CGSB 37-GP-9** - Prime deck using penetrating asphalt primer. Prior to application of waterproofing membrane treat all cracks in excess of 1.5 mm with an extra layer of waterproofing membrane, reinforced with glass fibre yarn approximately 150 mm wide centred over crack or joint.
- ③ **Membrane CGSB 37-GP-50M** - Apply Florastic waterproofing membrane to concrete deck by means of squeegees to a minimum of 1.5 mm and a maximum thickness of 3mm and allow to cure. (see membrane specification)

Where indicated, carry waterproofing membrane under curbs, steps and any other components.

At terminations and penetrations carry waterproofing membrane up vertical surfaces to top of asphalt course to a maximum height of 100 mm.

- ④ **Interlacing CGSB 37-GP-64M** - Over Florastic membrane install a dry saturated glass separation sheet.
- ⑤ **Wear coat CGSB 37-65-M88** - Install a hot mastic asphalt wear coat to a thickness of 15mm and rub surface with sharp sand to achieve a non slip finish.

Date: February 2019

