

Maintenance and Repair Methods of Thermoplastic Polymer Modified Asphalt

This document is intended to provide basic recommendations for the maintenance and repair of Thermoplastic Polymer Modified Asphalt (TPMA) surfaces containing the polymer additive Rosphalt 50 or Rosphalt 50LT. Final decision and acceptance is determined by the Agency, Owner, Engineer, and/or Contractor.

Annual inspection and assessment of the TPMA is recommended. All surfaces should be inspected, including longitudinal, transverse and expansion joints, all scupper/drain joints, as well as all surface areas of the mat. Repairs of TPMA should follow the standard Agency practices considering the repair procedure herein. Please contact Chase Technical support for additional information.

Maintenance:

- Perform annual inspection of TPMA, including premature wearing, rutting, shoving, cracking or other performance concerns. If repairs are deemed necessary refer to the repair section below.

Repairs:

- Evaluate repair area for causes. Assess location to joints (transverse and longitudinal), drains, and scuppers. Consider length, width and depth of the repair area.
- Saw cut or mill damaged overlay taking care to create a uniform area with clean cut edges.
- The substrate must be structurally sound and have a moisture content of less than 6%. Ensure repair area is level, clean, dry, and free from dust, dirt, mud, oil, grease and other contaminants. Spalls, voids and uneven surfaces with imperfections greater than 1/4" (peak to valley) must be addressed.
- Apply Royston 120-29 Low VOC Edge Sealer with a heavy bristle brush/broom to the repair area. Review Chase Guidelines and Technical Data Sheet for application instructions.
- Apply tack coat at 98% coverage rate. Seek direction from the Agency and Contractor for contract specification requirements.
- Install new TPMA with Rosphalt additive. Mixing and installation methods should be completed in accordance with Chase Guidelines.
- Measure compaction with a Nuclear Density Gauge; target goal is 98% compaction unless otherwise stated by the Agency. Refer to Chase Guidelines.
- Coat the top surface edges of newly repaired area with an over-band of Royston 120-29 Low VOC Edge Sealer.
- Contact Chase Corporation for additional technical support.

For further instructions, please contact Chase Corporation at 781-332-0700 Product Technical Data Sheets and SDS Sheets are available at www.chasecorp.com

Contact Chase Construction Products

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