Matrix 501™

![CRAFCO INC PRESERVATION PRODUCTS logo]

Bridge Joints with Flexibility and Strength

Crafco's **Matrix 501™ Joint System** is a pre-packaged, hot-applied asphaltic plug system for bridge joints. This cost-effective, maintainable solution provides a smooth, watertight joint capable of accommodating ±1 inch of annual movement. Say goodbye to calculating, measuring and field mixing with our factory-blended, polymer-modified asphalt binder delivered ready for installation in blockouts. Matrix 501 is the go-to choice for expansion, fixed-end, and pressure-relief joints in both new construction and rehabilitation projects. Build a better joint that lasts with Matrix 501.
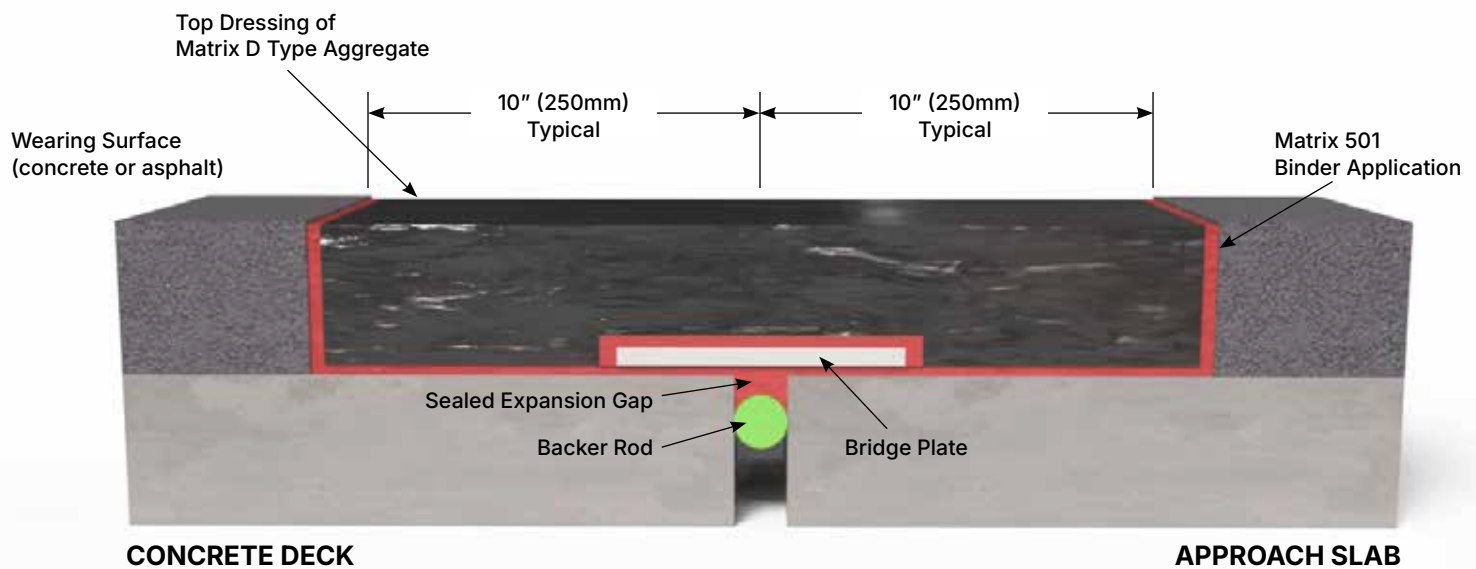
Top Dressing of Matrix D Type Aggregate

Wearing Surface (concrete or asphalt)

10″ (250mm) Typical

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Matrix 501 Binder Application

Sealed Expansion Gap

Backer Rod

Bridge Plate

CONCRETE DECK

APPROACH SLAB

Bridge Joint in a Box

UNIQUE ATTRIBUTES

Cost-effective to install and maintain

Pre-measured to eliminate calculating and field blending

When applied with a Crafco Patcher II or Patcher 4 no other equipment is need for mixing of binder, aggregate or compaction.

Carefully selected aggregate ensures a strong, consistent joint

Meets ASTM D6297 specification

FEATURES

The Ideal Solution for Low-Movement Structures

Matrix 501™ is easy to install on new or existing bridges with expansion gaps up to 6 inches. Install it all at once or in sections on joints with up to a 45-degree skew, and open for traffic within 1-2 hours of completion, depending on joint size. The result is a watertight, smooth-riding joint that protects the bridge structure and the surrounding pavement.

Matrix 501 Components

- Backer Rod (Part Number: 34609)
- Primer (Part Number: 33140)
- Adhesive (Part Number: 33346)
- Bridging Plates (Not available through Crafco)
- Locating Pins (Not available through Crafco)
- Matrix 501 (Part Number: 33345)
- Surfacing Aggregate (Part Number: 33375SA)

Transform your bridge joint installation with Matrix 501 – the ultimate solution for flexibility without sacrificing strength.

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