

Water-sealing joint tape for pavements and bridges

ASPH tape

PAVEMENT JOINT TAPE

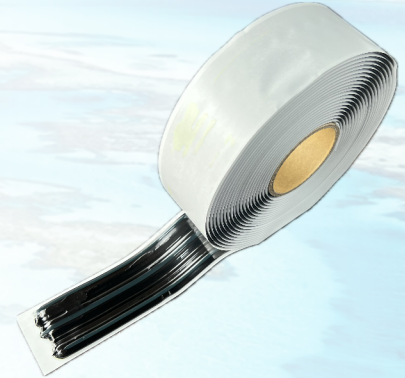
3 mm Thick

Improved Water Sealing. Longer-lasting Pavements & Bridges.

**Meets NEXCO East, Central & West
water-sealing joint material specifications**

Applications & Features

For milled or saw-cut pavement edges and bridge joints.
Preformed water-sealing joint tape / side tack coating.
High elasticity for bridges; low elasticity for earthwork sections.
Suitable for I, L and flat profiles.



Product Specifications — ASPH tape 60-3 [Typical Product]

Thickness: 3 mm | Resin width: 60 mm | Length: 10 m/roll | Weight: 2.0 kg
Packaging: 1 roll/box (10 m) | Box weight: 2.1 kg
Available widths: 30, 35, 40, 50, 60 and 100 mm



Three Strong Adhesive Lines

Installation Steps

Application video



01 Clean & Dry

Remove mud and dust with a brush.
Dry with a blower or burner.
Burner heating is effective for drying.



02 Apply the Tape

Press the tape onto the edge by hand,
then peel off the white release liner.
Three strong adhesive lines eliminate
the need for primer.

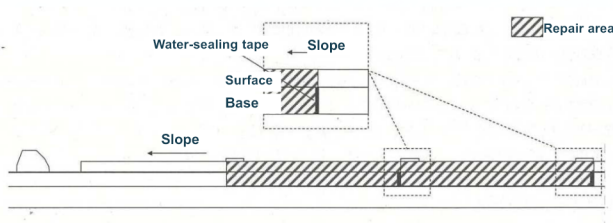


03 Spread & Compact

Heat from the asphalt mix melts and
bonds the tape. Modified asphalt resin
penetrates throughout to form an
integrated joint.

04 Reopen to Traffic — Confirm Pavement Temperature $\leq 40^{\circ}\text{C}$

Tape Position / Cross-section



Preheating with a burner
helps before application!



Integrated Core Sample



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ASPH tape

3 mm THICK

Test Results

3 mm | High elasticity (bridges) / Low elasticity (earthwork sections)

Test Item	Test Conditions	Unit	Result	High elasticity Requirement	Low elasticity Requirement	Test Laboratory
Thickness	High-precision digital thickness gauge	mm	3	≥3	≥3	In-house
Penetration	25°C	mm	5	≤9	≤6	Japan Road Contractors Association, Road Lab
Flow	Air: 60±1°C, 5 h Test: 60±1°C	mm	0.2	≤3	≤5	Same as above
Ball penetration, unaged: Initial penetration	25±0.1°C	mm	1.0	0.5–1.5	—	Same as above
Ball penetration, unaged: Recovery	25±0.1°C	%	61.0	≥60%	—	Same as above
Ball penetration, aged: Initial penetration	Air: 90°C, 168±2 h Test: 25±0.1°C	mm	1.0	0.5–1.5	—	Same as above
Ball penetration, aged: Recovery	Aging conditions as above	%	77.3	≥60%	—	Same as above
Extension	−10°C	mm	≥20 High extensibility	≥10	≥3	Same as above
3-point bending (reference)	Flexural stress	N/mm ²	1.16	—	—	Kyoto Municipal Institute of Industrial Technology
Pressure permeability (reference)	Pavement Survey & Test Methods Handbook B017T	cm/sec	No water penetration	—	—	Shoken Test & Research Laboratory
Softening point (reference)	Pavement Survey & Test Methods Handbook	°C	94.3	95°C±15	95°C±15	Shoken Test & Research Laboratory

Notes on Specifications & Testing

Meets NEXCO East, Central and West requirements for high- and low-elasticity water-sealing joint materials.
High elasticity: follows Tokyo specifications for bridge-deck pavement joint materials.
Low elasticity: follows NEXCO pavement design guidelines for water-sealing joint materials.
Also follows the Pavement Construction Handbook (joint material quality) and NEXCO quality standards for poured joint sealants, and the Pavement Survey & Test Methods Handbook (2019), p. [4]-448, “Standard Quality of Hot-applied Poured Joint Sealants.”

Please request an SDS and quality certificate (test report) for each project.

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