



**Superior Asphalt Performance
Through Innovation**
*"Sometimes it Takes an ARMI to Solve Tough
Problems"*

Use ARMI to Drastically Reduce Asphalt Cracking

**Slow Reflective Cracking
Slow Thermal Cracking
Reduce Surface Crack Water Penetration**

Use

**Asphalt Overlays Over Concrete Pavements
Asphalt Overlays Over Moderate to Severe
Cracking Asphalt Pavements**

Achieve

**Longer Pavement Performance
Reduced Maintenance Cost Over the Life of Pavement
Less Traffic Congestion Due to Road Reconstruction
A Happier Traveling Public**



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Surface Tech’s ARMI product is used in conjunction with an Optimized Asphalt Mix Design to create a superior Reflective Crack Relief Interlayer (RCRI).

The **A**ramid **R**einforced **M**ix Interlayer (ARMI) takes asphalt pavement crack resistance to the next level, providing a permanent plant produced and paver laid 1” thick asphalt interlayer. The standard ARMI product will drastically reduce both bottom up and top down crack penetration through the 1” thick interlayer providing unparalleled crack resistance. ARMI+ is further modified to achieve the crack resistance specific to the owner’s performance needs and expectations. Both ARMI and ARMI+ are engineered with a special asphalt mix design and liquid binder which is hot-mixed and hot-laid to stay in place even though the surface course above is replaced 2 or 3 times during the life of the interlayer. Adding Surface Tech’s specially designed ACE XP Polymer Fiber to reinforce the surface course will provide the most crack resistant *system* on the market today reducing costly maintenance over the life of the pavement.

ARMI is engineered to provide superior crack resistance by balancing rutting performance with impressive cracking performance of both the IDEAL-CT and Bending Beam Fatigue Tests as shown below:

Purpose	Performance Test	Method	Test Temp	Criteria
Rutting	Hamburg Wheel Tracker passes to 1/2” (12.5mm) rutting	AASHTO T324	40, 45, or 50C	5,000 passes
	AMPT Flow Number	AASHTO T378	45, 50, or 55C	60
Reflective Cracking	Indirect Tensile Cracking Test (IDEAL-CT)	ASTM D8225	13, 20, or 25C	650 index
	Repeated Flexural Beam Fatigue	AASHTO T321	10, 15, or 20C	20,000 cycles





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