

TECHNICAL DATA SHEET

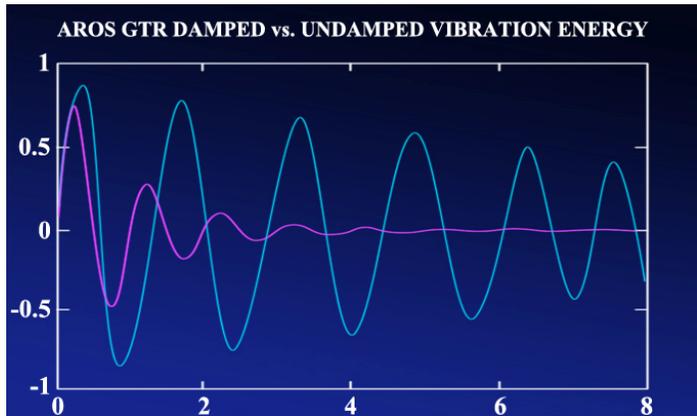
AROS™ Cushion Patch

(PAT. PEND.)

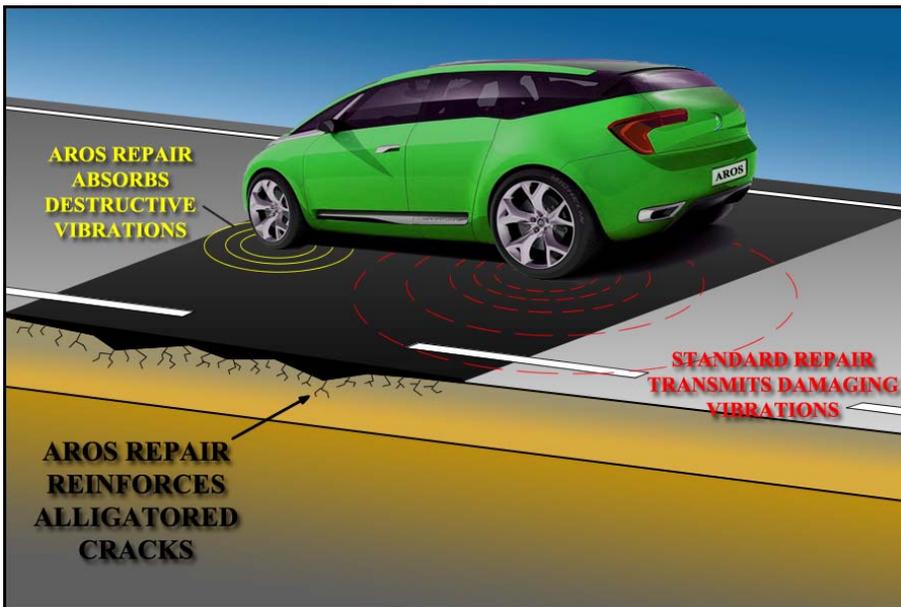
ALLIGATORED PAVEMENT REPAIR

AROS™ Cushion Patch™ -Alligatored Pavement Repair (APR), is an interlocking, stone-and-rubber matrix, fused together with a bio-polymerized, chemically refined, high molecular weight bitumen. Cushion Patch™-APR is designed to replace conventional temporary alligatored pavement repair products with a substantially more durable and permanent alternative. Cushion Patch™-APR is a quick setting system that is cold applied with an ‘early release to traffic’ character.

Utilization of >30% recycled GTR (ground tire rubber), allows Cushion Patch™-APR the unique ability to absorb the destructive vibration of rolling traffic through viscoelastic damping. The ability to convert and dissipate vibration energy into heat energy



(viscoelastic damping) is an essential performance characteristic that helps to protect the alligatored pavement from catastrophic failures (i.e. cracking, chipping), resulting in substantial long term durability.



AROS™ Cushion Patch™-APR consists of: 1) a finely ground tire (40-140 mesh) that has been thermally surface modified with a reactive polymer (assuring permanent embedment in composite structure), 2) the reactive coated GTR is then compounded with a PG 93-

22M binder. Upon application the cold applied AROS™ Cushion Patch™-APR immediately sets into a tough, flexible, skid resistant patch which protects the boundaries & adjacent pavement cross section.

For skin patch applications, a spreadable slurry can be achieved through field *dilution to ca 80% solids (POA) and applying to scarified pavement.

*Dilution of Cushion Patch™ requires longer traffic closures.

Physical Properties

Cationic emulsion	pH = 2.5 - 4.5
Solids by distillation	>85%
Ground tire rubber (ARB)	≥30%
Wet Track Abrasion Test (6 day)	< 20g/ft ²
Viscosity (Emulsion)	>100 sec

(For more information please visit www.coepolymer.com)
Consult MSDS before use. Do not allow to freeze.

** Simulated test results. Performance may vary and should be verified on specific pavement sealing project(s).

Environmental Properties

Health/Fire/Reactivity	1-0-0
HAPs - PAHs	None
VOC	Zero
Toxicity/Carcinogenicity	None/None
Municipal Landfill (residue)	Yes
Aquatic Life	Not a Threat
Carbon Footprint	Zero