

X-PHALT™ Asphalt Roadway Repair Product Comparison

	X-PHALT™	Cold Patch	Hot Mix
Composition	Cementitious mortar	Bitumen based binder + stone	Bitumen based binder + stone
Yield per unit	~ 0.4 cu. Ft.	(Bulk)	(Bulk)
3/8" stone extendable	Yes, up to 30%	No	No
Applicable Standards	Performance based re: ASTM C928 type concrete repair products	Composition based	Composition based
Bond to Asphalt	Permanent; no primer needed	Partially without a primer	Partially without a primer
Bond to concrete	Permanent; no primer needed	Partial	Partial
Application depth	Full	Full	Full
Ability to feather edge	Yes	No	No
Compaction requirements	None, consolidate as with cement based mortars	Yes, overfill prior to compaction	Yes, overfill prior to compaction
Ability to be flush with surrounding pavement (Note: American Paving Association considers greater than 1/4" difference a hydroplane risk.) Unevenness increases stopping distance and risk of damage by plow blade.	Easily achieved with screeding and / or trowel finish	Depends on correct overfill quantity and amount & evenness of compaction	Yes
Installation tools	Drill and paddle; mortar / drum mixer; grout pump; hand tools	Shovel, rake, tamper	Heat source, heavy equipment
Clean up	Water	Solvent	Solvent
Contains solvent or polymers	No	Yes	Yes
Susceptible to rutting, shoving, and raveling	No	Yes	Yes
Average life expectancy	Permanent until Road re-surfacing	6 – 12 months	6 years
Return to service	45 to 120 minutes, depending on product used	Immediate	Immediate
Surface textures	Float, hard trowel, tine or broom	Exposed aggregate	Exposed aggregate
Application temperature range	10°F to 120°F	Full, specific grade depends on temperature	Above freezing
Adjustable working / set time in the field	Yes, contact tech support for guidance	No	No
Subject to UV degradation	No	Yes	Yes