

Genuine PMA Replacement

Surface Tech has introduced an effective alternative in a dry polymer form. Our proven technology is a Para-Aramid fiber introduced in dry at the mix plant. With a neat binder, Para-Aramid is the modifier that production contractor can control and is an effective way to manage the process (including 365-availability, no storage and ease of plant dosing) that increases performance and dramatically reduces your GWP impact per mix ton and no change to JMF. Not to mention is PMA performance really worth the built environment and health risks?

PMA

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- Producing and construction PMA mixtures requires in-Expands equivalent PG (of mixture) about one bump high & low per ASTM STANDARD of 2.1 oz per US Ton creased temperatures Significantly higher embodied carbon content (Global Warm-No change in mix temp. Temp tolerant and does not break ing Potential) down in HMA temps - melt point of 800° F GWP increases 5-6 Kg of CO2 per mix ton for every 6-degree Improved resistance to temperature-induced cracking PG (PM) grade bump. SBS-modified asphalt binders use sulfur based cross linking Hydrogen sulfide H2S is created during the transportation Low Carbon Construction Material no more than and storage of SBS modified binders GWP 0.67 kg of CO₂ per mix ton Hudrogen sulfide can cause a range of health issues dependent upon PPM exposure such as eye and respiratory Zero sulfur added to binder or mix consciousness and death No change to JMF or volumetrics
- Production of synthetic polymers is energy intensive
- PMA requires higher binder production temperatures when incorporating polymer modifiers
- Producing and the construction of PMA mixtures requires increased temperatures
- PMA Higher temperatures result in higher Global Warming Potential (GWP)
- PMA increases GWP 5-6 Kg of CO₂ per mix ton for every 6-degree PG (PM) grade bump.
- Aramid provides no health concerns (VOC emissions)



Chemical (PPA) resistant













