

# REARM™

## USE UP TO 50% RAP AND SOLVE PREMATURE RAP CRACKING AT THE SAME TIME

REARM™ combines two products to achieve the desired HIGH RAP percentage design. The first product is a highly engineered bio-oil to modify the virgin binder of the RAP mix. The second product is a treated Para-aramid polymer that reinforces the combined virgin and RAP binder to improve the rutting and cracking performance. The key to these performance improvements relies on the unique strengths of each product.

### Performance

- Solves premature cracking in high RAP mixes
- Reduces cracking by 30-50% on Ideal CT
- Extends life up to 50%

### Ease of Adoption

- Combines two products to achieve optimized HIGH RAP percentage
- Bio-oil rejuvenation and ACE XP™ along with locally sourced raw materials
- Safe, easy and clean plant implementation
- Precision dosing with daily reports
- No change to JMF / No Fly Away
- Compliant with Build America, Buy America Act
- ASTM Standard # D8395-2023 for Aramid

### Sustainability

- Longer life expectation
- Reduces embodied carbon in comparable mixes
- EPD certification - Ultra low carbon additive
- No more than 0.67 kg CO<sub>2</sub> / US Mix Ton.
- Can be used to meet low carbon asphalt specs on IIA and IRA funded projects
- Great option compliance
- Listed in Emerald Eco Label (NAPA's verified EPD tool)
- Helps to meet corporate ESG reporting requirements

### Cost Savings

- Longer life - reduced maintenance costs
- Allows for extremely higher RAP content use
- More cost effective than virgin HMA, WMA and typical low content RAP mixes

REARM™

HIGH RAP



BIO OIL  
REJUVINATOR

