

ARCA REDUCES YOUR GWP IMPACT PER MIX TON.

- Longer life - up to 50% even with high RAP
- Reduced maintenance
- Allows for higher RAP content use
- Lower CO₂ than PMA
- Reduces embodied carbon in comparable mixes
- EPD certification - Ultra low carbon additive
- Meets your corporate sustainability commitments
- Can be used to meet low carbon asphalt specs on IIA and IRA funded projects
- Listed in Emerald Eco Label (NAPA's verified EPD tool)
- Helps to meet corporate ESG reporting requirements
- PG Grade reduction using ARCA

THE ARCA IMPACT



One dose of ACE XP™ = 0.668 kg CO₂ / US Mix Ton



One dose of AQU™ = 0.622 kg CO₂ / US Mix Ton

Surface Tech Contact:

312 S. Cedros Ave., S200, Solana Beach, CA 92075

+1-619-880-0265

info@surface-tech.com

www.surface-tech.com



ARCA

REDUCE AND PRODUCE.

The ARCA Impact Formulas

When ACE XP™ fibers are used as a PMA replacement, the embodied carbon impact is as follows:

	Mix Tons	Kg of CO ₂	MTons of CO ₂
	100,000	1,539,000	1,539
	1,000,000	15,390,000	15,390
	10,000,000	153,900,000	153,900
	100,000,000	1,539,000,000	1,539,000
(USA PMA market size)	RC 104,000,000	1,600,560,000	1,600,560

When ACE XP™ fibers are used as REARM™ in HIGH RAP, the embodied carbon impact is as follows:

	Mix Tons	Mix Tons Kg of CO ₂	MTons of CO ₂
	100,000	710,000	710
	1,000,000	7,100,000	7,100
	10,000,000	71,000,000	71,000
	100,000,000	710,000,000	710,000
(USA HIGH RAP market size)	415,000,000	2,946,500,000	2,946,500

When ACE XP™ fibers are used as REARM™ and in place of PMA, the embodied carbon impact is as follows:

	Mix Tons	Mix Tons Kg of CO ₂	MTons of CO ₂
	100,000	2,254,250	2,254
	1,000,000	22,542,500	22,543
	10,000,000	225,425,000	225,425
	100,000,000	2,254,250,000	2,254,250
USA PMA market size)	104,000,000	2,338,784,375	2,338,784

Comparison /Kg of CO₂ for each car in US per year 4600

	Mix Tons	US Car Equiv.
	100,000	490
	1,000,000	4,901
	10,000,000	49,005
	100,000,000	490,054
(USA PMA market size)	104,000,000	508,431

Surface Tech Contact:
 312 S. Cedros Ave., S200, Solana Beach, CA 92075
 +1-619-880-0265
info@surface-tech.com
www.surface-tech.com

