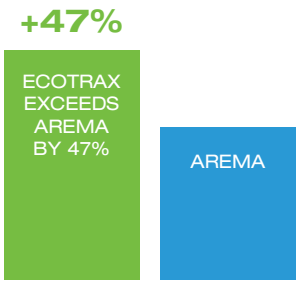
ECOTRAX®

COMPOSITE RAILROAD TIES

ECOTRAX® Exceeds AREMA Performance Characteristics

For Engineered Polymer Composite Ties

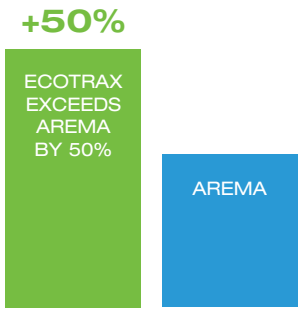
Modulus of Elasticity Flexural



ECOTRAX: 250,000 psi (avg)
AREMA: 170,000 psi (min)

AREMA Chapter 30, Part 2, Test 1C

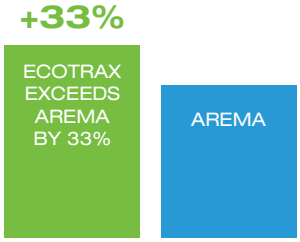
Modulus of Rupture Bending



ECOTRAX: 3,000 psi (avg)
AREMA: 2,000 psi (min)

AREMA Chapter 30, Part 2, Test 1C

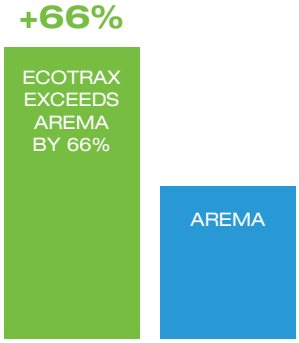
RAIL/PLATE AREA COMPRESSION: Compressive Strength



ECOTRAX: 1,200 psi (avg)
AREMA: 900 psi (min)

AREMA Chapter 30, Part 2, Test 2

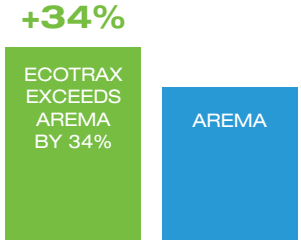
RAIL/PLATE AREA COMPRESSION: Permanent Deformation



ECOTRAX: 0.043 inch (avg)
AREMA: 0.125 inch (max)

AREMA Chapter 30, Part 2, Test 2

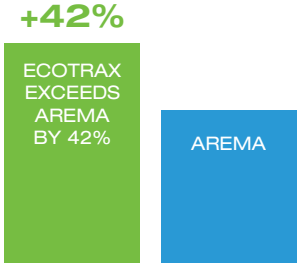
Cut Spike Pullout



ECOTRAX: 2,541 lbf (avg)
AREMA: 1,900 lbf (8.5 kN) (min)

AREMA Chapter 30, Part 2, Test 3A

Screw Spike Pullout



ECOTRAX: 7,103 lbf
AREMA: 5,000 lbf (22.2 kN) (min)

AREMA Chapter 30, Part 2, Test 3A

CALL 740.452.2500 **EMAIL** ecotrax@axionsi.com **ONLINE** AXIONSI.com