

Nature Coatings

CIRCULAR DESIGN

CLIMATE CHANGE

LAND-SYSTEM CHANGE

Problem

Global demand for carbon black, a pigment used in plastics, coatings, inks, and textiles, is set to reach \$38B by 2030.¹ In the U.S. and EU, 100M tons of wood waste do not get recycled each year, releasing stored carbon and driving up emissions.²

Solution

BioBlack TX is a 100% biobased, circular, carbon-negative, PAH-free pigment derived from pyrolyzed FSC-certified wood waste and developed through a closed-loop manufacturing process. Adopting BioBlack TX across plastics, inks, paints, and coatings markets could result in 4.62M tons of CO2 mitigated each year.³ benefiting the planet.

Contribution

Nature Coatings modular production cuts emissions without retooling and eliminates toxic PAHs. By replacing a primary fossil-derived input, it drives supply chains toward safer, more circular materials—reducing embedded carbon while advancing climate and health goals.

2024 Results

NatureCoatings’ latest results highlight the potential technology offers to replace fossil-based carbon black with a sustainable alternative. Scaling production and deploying its solutions in sectors like fashion, packaging, and coatings, the company delivers measurable reductions in raw material consumption and emissions while protecting water and other resources.

23 tons

Linear Resource Use avoided⁴

24 tons

GHG Emissions avoided⁵

85%

lower carbon footprint compared to petroleum-derived alternatives⁶

Impact Risk

Evidence Risk



External Risk



Execution Risk



Nature Coatings’ BioBlack TX transforms wood waste into carbon-negative pigment, turning a global waste problem into a catalyst for cleaner, circular, and regenerative industrial supply chains.

Sources: 1. [Yahoo Finance](#), 2. [EIB](#), 3. [Nature Coatings](#), 4. LRU - Regeneration.VC and Circle Economy calculations based on company provided information, 5. GHG emissions Nature Coatings, 6. [Nature Coatings LCA](#)