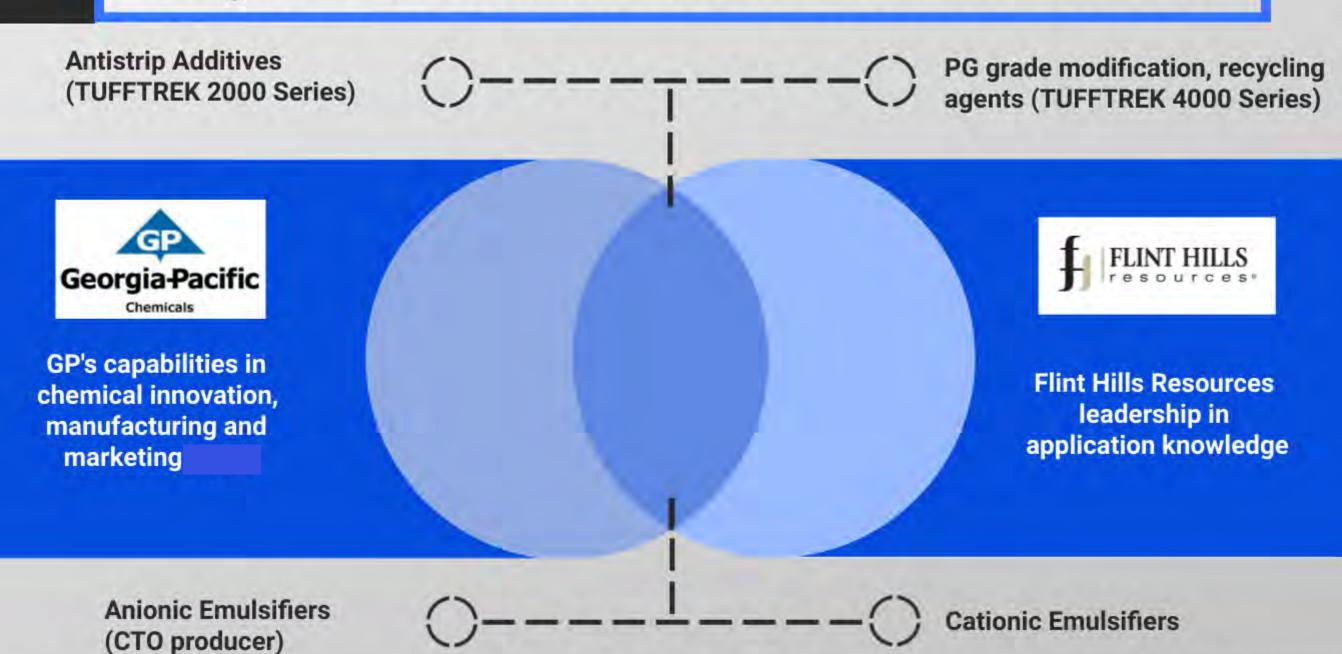


# TUFFTREK

Products for the Asphalt Industry

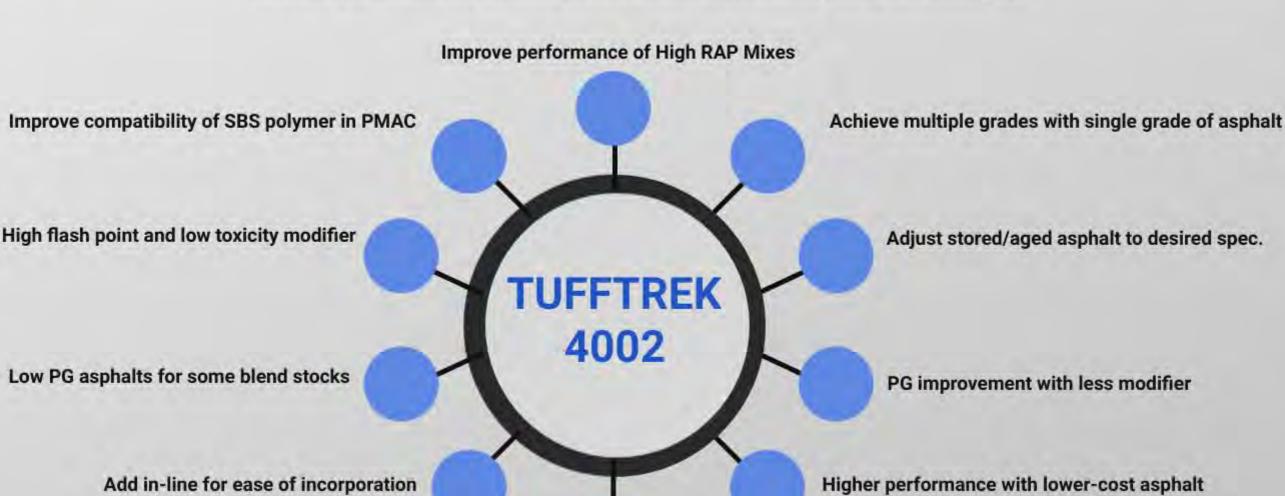


# Georgia-Pacific Chemicals & Flint Hills Resources



# **TUFFTREK 4002 Renewable Oil Technology**

Meets the needs for asphalt modification responsibly and economically



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# **Liquid Amine Anti-strip TUFFTEK 2001**

- Long industry history of use in asphalt as antistrip
- Effective at low dosage (0.5%)
- Koch companies back-integrated in amine production

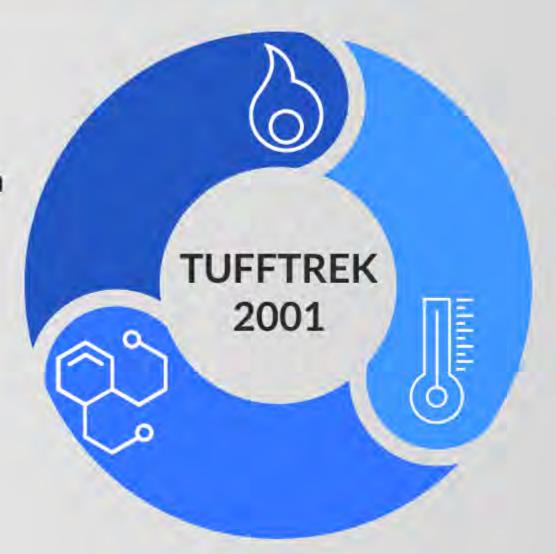
#### **TYPICAL PROPERTIES**

Flash Point, °C (°F) open cup 121 (250)

Amines, % 60-90%

Boiling Point, °C (°F)

100 mm Hg, with decomposition 249 (480)



## **TUFFTREK 3000 Series Emulsifiers**

### Tall Oil for Anionic High Float Emulsifier TUFFTREK 3100

Produced from any of GP's 9 U.S. Pulp Mills

TUFFTREK 3100 contains 100% biobased

content

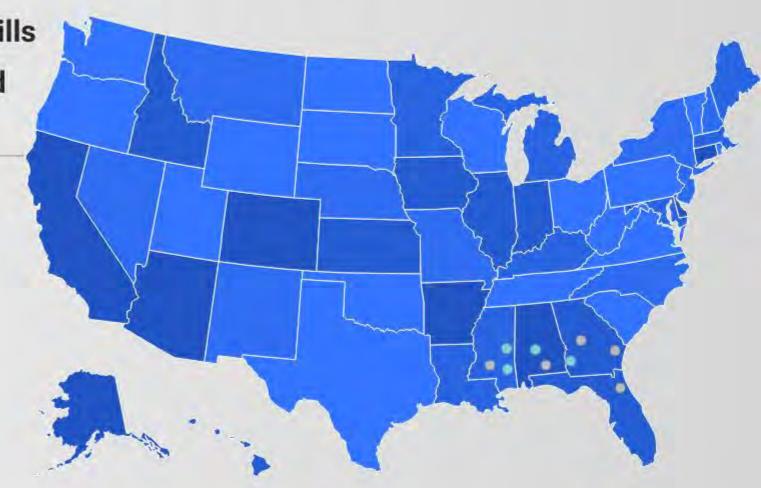
#### TYPICAL PROPERTIES

Appearance Brown viscous liquid

Acid Value, mg KOH/g 160

Moisture, % 2

Rosin Acids, % 38+



## Sampling of all products available upon request.

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https://gp-chemicals.com/asphalt-products/



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