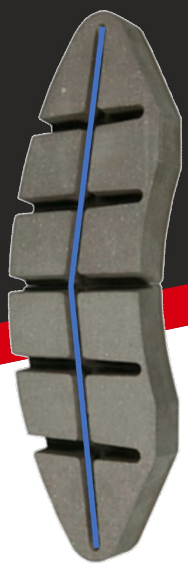
Wabtec CORPORATION

BLUE FRICTION LINE

New blue line organic products set standards in performance and ecology.



Comply with demanding new performance standards while improving sustainability.

The rail industry wants to become more sustainable, and the development of new friction materials that dramatically reduce particle emissions represents a bold step forward. With new railway brake-pad materials needing to meet upcoming changes in UIC 541-3 8th edition and EN standard 15328:2020, Wabtec is once again out in front, introducing a new product family that addresses an evolving industry's performance and sustainability demands. A unique performance in dry and wet supports an easy setup of the brake system. The excellent wear behavior optimizes the life cycle cost while contributing to low particle emission during brake activation. Wabtec develops Blue Friction technology products without using substances potentially harmful to aquatic life.

EN15328 COMPLIANT

FP 94 is a product in the Blue Friction family that has literally passed the test: it is the first organic pad to receive compliance certification according to EN15328:2020 class B1.

EN 15328:2020	Class B1	compliant
UIC 541-3 8th Ed.	Class B1	provisional approval
EN 45545-2 :2020	Class HL 1, 2, 3	compliant

DESCRIPTION OF MATERIALS FOR THE BLUE FRICTION LINE

We commit to improve air and water quality to preserve our environment. We do so by developing:

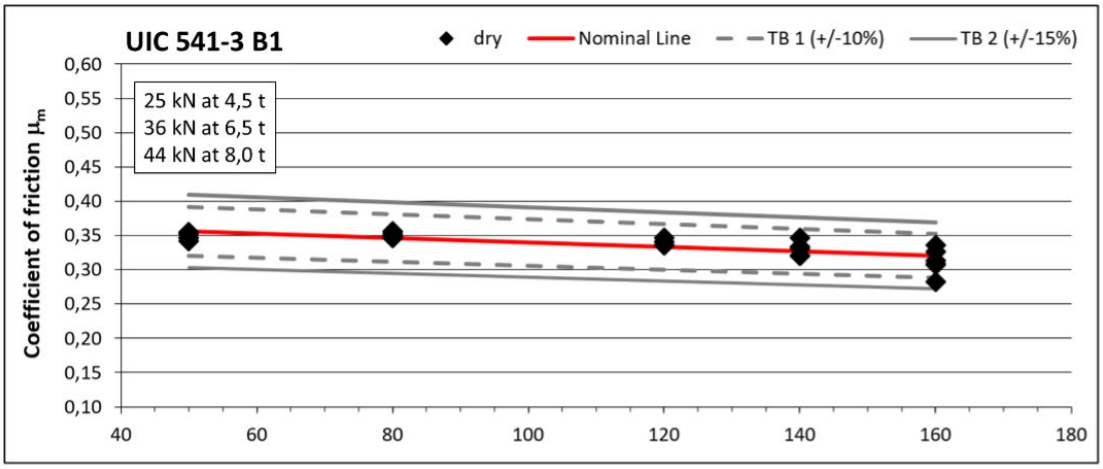
- Recipes without substances harmful to aquatic life
- Recipes without carcinogenic substances
- Recipes with reduced CO_2 in the production process

And that are:

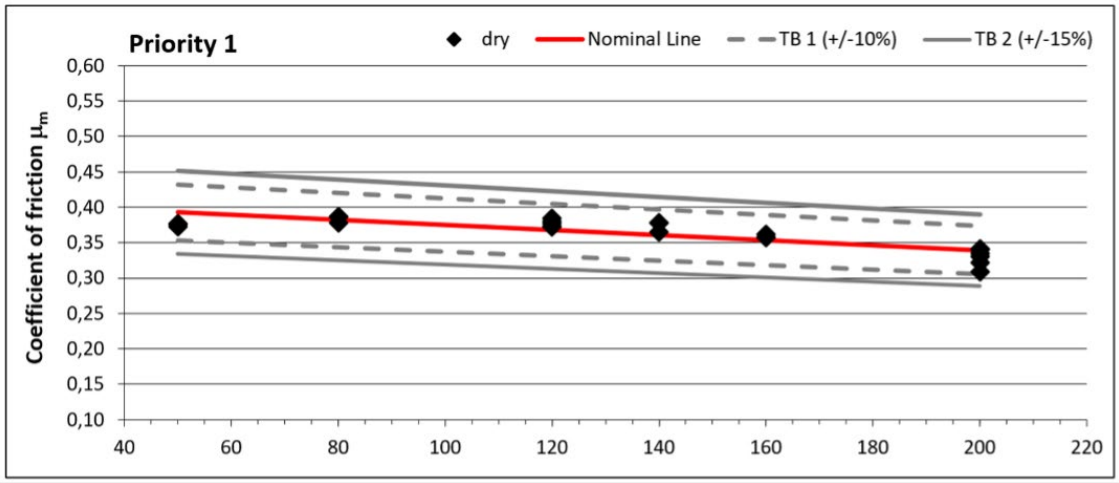
- Free from critical curing and processing aids
- Free from fluorides and halides
- Free from lead, asbestos, chromium, and crystalline silicates

FRICTION PERFORMANCE

Typical friction coefficients for wheel-mounted discs according to UIC program B1 (160 km/h) and EN15328. The tested pad was the FP 94.



Typical friction coefficients for axle-mounted discs according to UIC program S1 (200 km/h) and EN15328. The tested pad was the FP 94.



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