

# ASPHALT ADDITIVES

HELPING TO IMPROVE  
ASPHALT QUALITY

**ASFIER®** rapid/medium/slow  
setting bitumen emulsifiers

**GRIPPER®** antistripping agents

**DANOX®** recycling and warm  
mix additives

KAO TECHNICAL APPLICATIONS ASPHALTS



# ASPHALT ADDITIVES at the road's service

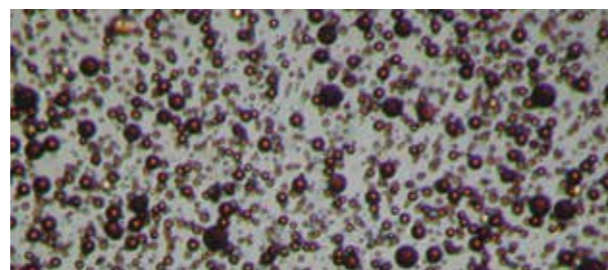
**Kao Corporation is a Japanese company founded in 1887. With more than thirty three thousand employees it is present in the entire world trying to satisfy the needs of their customers.**



The philosophy of Kao, the "Kao Way", provides consistency to Group activities from the formulation of mid to long-term business plans to each business decision that is made each day.

Kao Corporation is a surfactant producer, amongst other chemical products. These surfactants are used in high performance formulations for the asphalt industry. Kao products are designed and developed to provide the most feasible way to produce high performing asphalt mixtures overcoming all sustainable requirements.

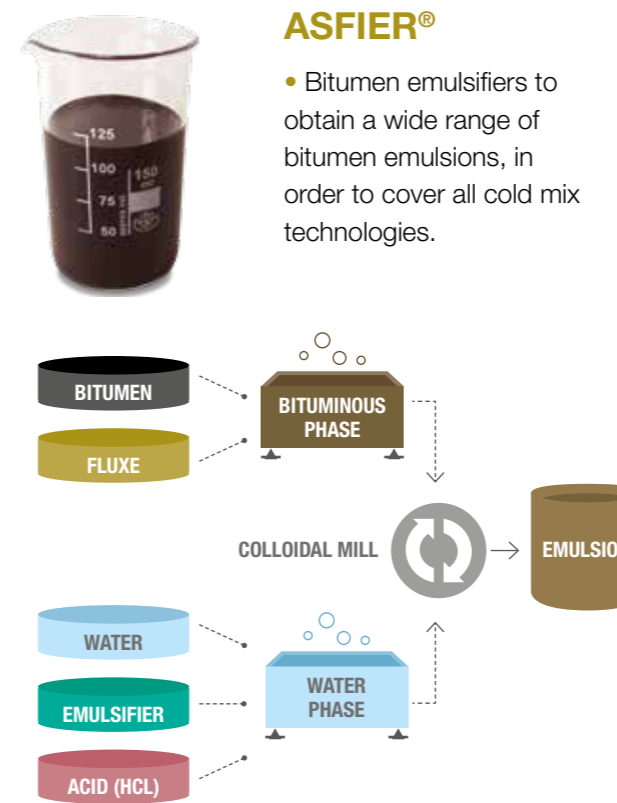
Our R&D asphalt division is working continuously to develop new products and naturally we are always ready to check, if necessary, your individual case. Based on years of experience we can help you with your formulations.



## ENRICHING LIVES, IN HARMONY WITH NATURE

In a world that is in constant flux, we continually ask ourselves, how Kao, as a leading manufacturer, can contribute to society. We believe we must draw upon our core concept of Yoki-Monozukuri (our commitment as a manufacturer to providing excellent products), both to address environmental problems and other social issues, and to offer new value to the people of the world.

**Kao Corporation has developed a wide range of products for the asphalt industry.**



## GRIPPER®

• High performing thermal stable antistripping agents.

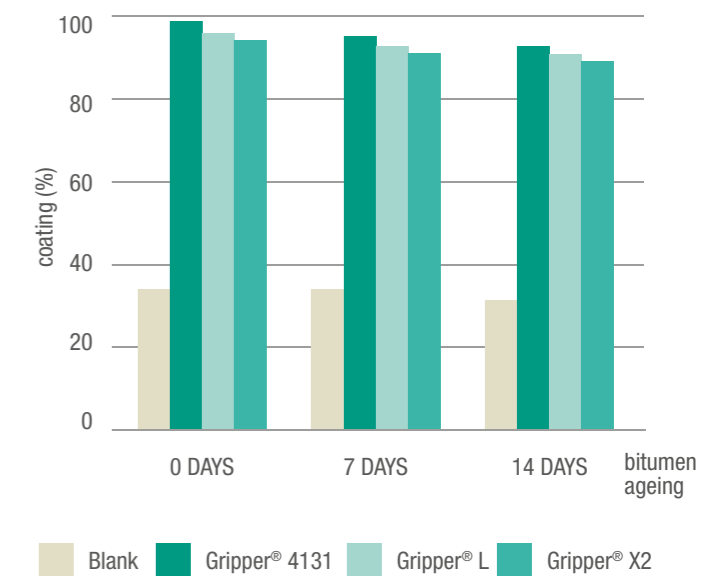


Without anti-stripping agent



With Grippeer® L

**BOILT TEST**  
Granite, 50%70 straight asphalt, 0,3% Grippeer®, 10' boil, 0,05 g/L Na<sub>2</sub>CO<sub>3</sub>





## KAO CHEMICALS EUROPE

[www.kaochemicals-eu.com](http://www.kaochemicals-eu.com)



Enriching lives,  
in harmony with nature.

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**OUR CHEMICALS, YOUR BUSINESS**

**kao**