

PRESS RELEASE:

Kao Chemicals Europe launches DANOX RAP, a new series of rejuvenating agents that allows reclamation of old asphalt pavements

The properties of DANOX RAP make aged asphalt mix re-usable, thus reducing waste and protecting the environment

Barberà del Vallès, October 2020. Kao Chemicals Europe has launched the DANOX RAP series, a solution that rejuvenates Reclaimed Asphalt Pavements (RAP). The development of these products is an important achievement in protecting the environment.

The increase in road construction in so many countries to improve communications and transport between different geographical areas has an evident impact on the environment. The need for pavement maintenance and renewal is growing throughout the world.

The many tons of asphalt removed from old pavements are often disposed of as waste, creating environmental problems and a challenge for our society. The re-use of these old pavements has important technical problems derived from oxidation of the aged binder such as rigidity, tendency to cracking, low resistance to fatigue and low temperature, etc.

The DANOX RAP series acts as rejuvenating agents, making it possible to recover aged pavements at high rates into the new ones

The DANOX RAP series has been specially developed to prevent the negative effects of asphalt mixes with high Reclaimed Asphalt Pavements (RAP) content, facilitating the incorporation and workability of this asphalt mix.

Unlike other types of additives that evaporate during the mixing process, leading to a loss in their effect, the DANOX RAP series remains in the mix, making it more flexible and allowing higher RAP usage rates.

This is possible because the DANOX RAP series:

- Improves the compatibility between the RAP and the mix and controls the stiffness of asphalt mixes containing RAP.
- Improves the workability of the asphalt mixes, while not effecting resistance to permanent deformation and recovers the flexibility of the original asphalt mix.
- Reduces viscosity and thus improves the mix workability.

Kao Chemicals Europe, S.L.

- Is biodegradable, non-toxic and has an extremely high Flash Point for safe handling.

The DANOX RAP series allows higher RAP content in the asphalt mixes, making it possible to reuse useful RAP that otherwise would have been disposed off, and generating economic savings and ecological benefits.

A step forward in KAO Chemicals Europe's commitment to the environment

The development of the DANOX RAP series, with its evident positive environmental effects, is a step forward in the strategy and commitment of KAO Chemicals Europe to the environment.

Since the group was founded in 1887, its activity has been focused on clients' needs as well as the sustainable development of the world.

The KAO Chemicals Group's Environmental, Social and Governance (ESG) strategy has been developed taking into consideration global trends and standards that help the company to respond to the planet's needs.

In this way, its actions are designed and implemented in order to contribute to the United Nations Sustainable Development Goals (SDGs), helping to develop a healthier society in a sustainable world.

The development of the DANOX RAP series is aligned with this philosophy, contributing to minimising waste and reducing the impact posed by the development of communications throughout the world.

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