

# TRASUTRA

NEW ASPHALT  
ULTRA-THIN  
LAYER

EASY APPLICATION  
RAPID OPENING TO TRAFFIC



KAO TECHNICAL APPLICATIONS | SOLUTION PROVIDER



# TRASUT-RA Asphalt ultra-thin layer

**TRASUT-RA is a new surface treatment which consists in applying a special asphalt mixture (1 cm thick after compaction). This treatment does not require the use of PmB and accepts a wide variety of aggregates.**

An ideal low viscosity binder is achieved by adding our additives. This allows to spread mixture between 100° and 140° and to compact it between 90° and 110° C.

This treatment provides a solution for degraded surface courses: corrects rutting, increases the coefficient of friction and reduces the index IRI (International Roughness Index).

## ADVANTAGES

### ABOUT APPLICATION:

- It can be applied day or night.
- Immediate opening to traffic, 15-30 min.
- Thickness after compaction: 1-2 cm.
- Does not require special machinery.
- Compatible with RAP and crumb rubber.
- Can be applied over concrete surfaces.

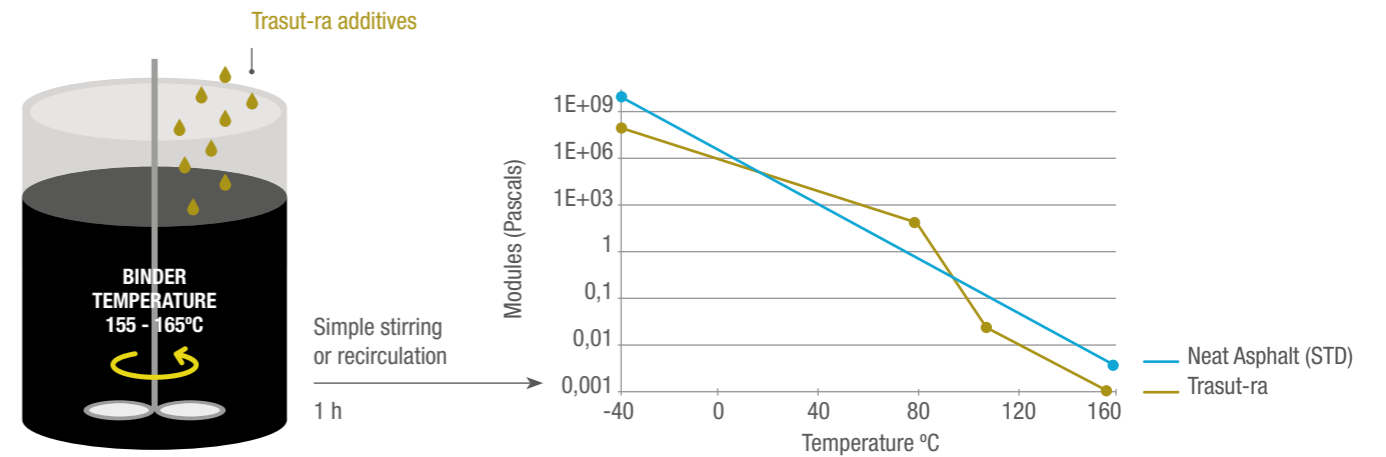
### ABOUT PERFORMANCE:

- Corrects irregularities.
- Improves friction coefficient.
- Improves permanent deformation resistance.
- Improves the IRI (International Roughness Index).
- Reduces permeability so protects lower layers.
- Reduces tendency to cracking.

## BINDER MODIFICATION

Trasut-ra is a solution based on a modification of the binder to optimize asphalt performance. Kao's additives enhance the properties of the mixture in several ways:

- Longer time to compact.
- Increased hardness at service temperature.
- Higher flexibility at very low temperature.



**Our technical services teams can help engineer and design asphalt binder and mixture to attain specific rheological and performance properties using a combination of our proprietary additives. They can also assist with mix production, construction and performance evaluation.**

## APPLICATION

1. Spread asphalt mixture between 100 and 140°C. Previously, a 50% diluted tack coat (type C60B3 ADH or similar) should be applied.
2. Compact asphalt mixture between 90 and 110°C, the thickness should not exceed 2 cm. Use a 6-9 tn metal compactor.
3. Immediate opening to traffic.



Technical information and recommendations on the use and handling of our products contained in this document are the result of the experience and practical experimentation carried out in our laboratory. However, since handling and application of our products by users is out of our control, Kao Corporation SA does not assume any direct or incidental responsibility, or other damages regarding the misuse of these materials.

# KAO CHEMICALS EUROPE

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



Enriching lives,  
in harmony with nature.

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