

HANKOOK
driving emotion



KINERGY ECO²

The smart choice for driver and environment



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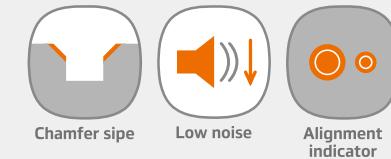
Features and performance information

The smart choice for driver and environment

KINERGY ECO²



Technology icon



Performance icon



Wet braking



Mileage



Ride & Noise



Dry braking



Technical profile

SS : H,T,V

NSW : 145-215

SRS : 55-80

RIM : 13-16

KINERGY ECO²

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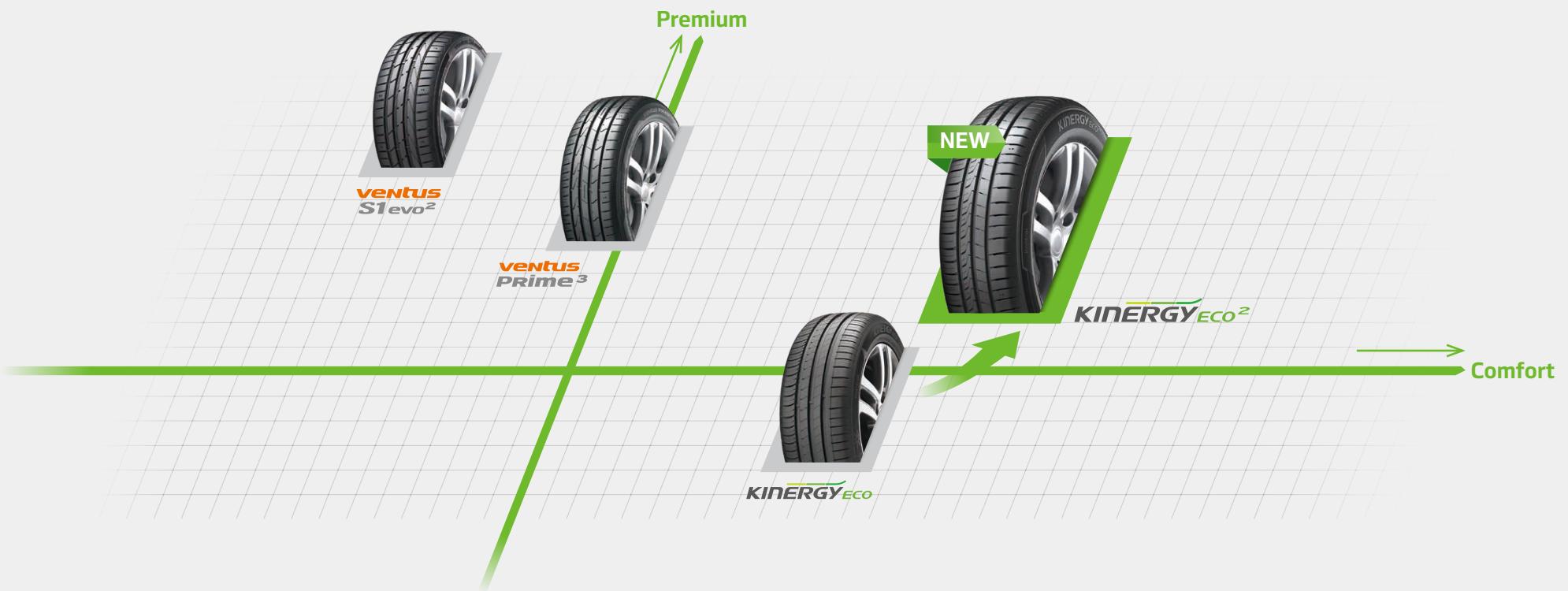
Key performance

The smart choice for driver and environment

Improvement in performance compared to its predecessor.

■ Conventional
■ **KINERGY ECO²**





OPTIMO
K415

K415



KINERGY ECO

K425



A great change for
wet performance
and long mileage

KINERGY ECO²

K435



Wet braking



Wet handling



Safer driving



Mileage



Dry handling



Low noise

All-round performance



New summer tyres for safer driving giving all-round performance

Wet performance

A Wide lateral shoulder grooves

Wide lateral grooves incorporated in to the inside blocks deliver hydroplaning resistance for excellent wet handling and braking.



B Optimum pattern block technology

Wet handling performance is improved through the use of increased contact area, the shaped interlocking blocks.

C Aqua-edge technology

Improved wet braking without losing wet handling.



D Optimised shoulder block

Wet handling performance is improved through the use of the outer blocks increasing contact area.



E Optimum chamfer

Allows the contact area to widen instantaneously when braking, improving traction performance.



Hydroplaning

F Centre block stiffness increased

Holding the tread pattern in place as its shape evolves.

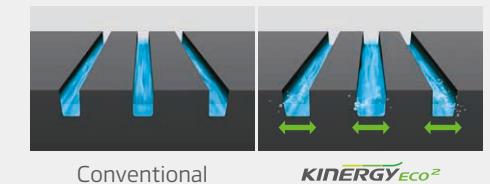


● Conventional ● **KINERGY ECO²**



G Wide straight 3 channel groove

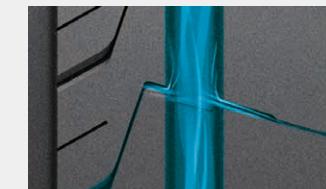
Optimal widths and positioning of the three channel grooves ensures excellent performance in wet driving conditions. Wide outer grooves provide maximum water evacuation which promotes wet traction keeping the tyre cooler in the dry.



Conventional **KINERGY ECO²**

H Aqua turbine technology

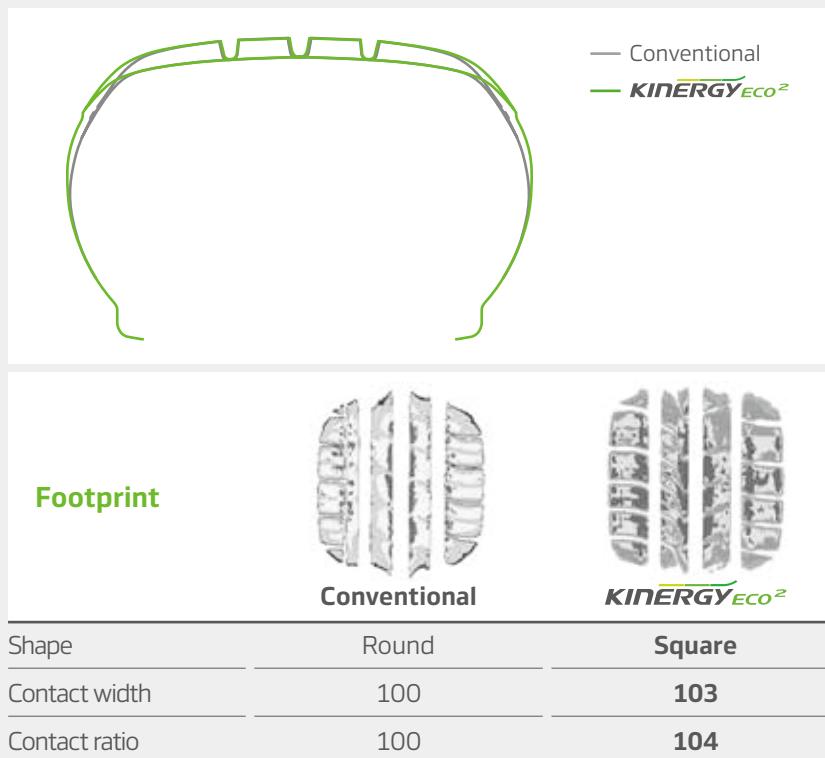
Gives improved drainage for longitudinal and lateral.



Mileage

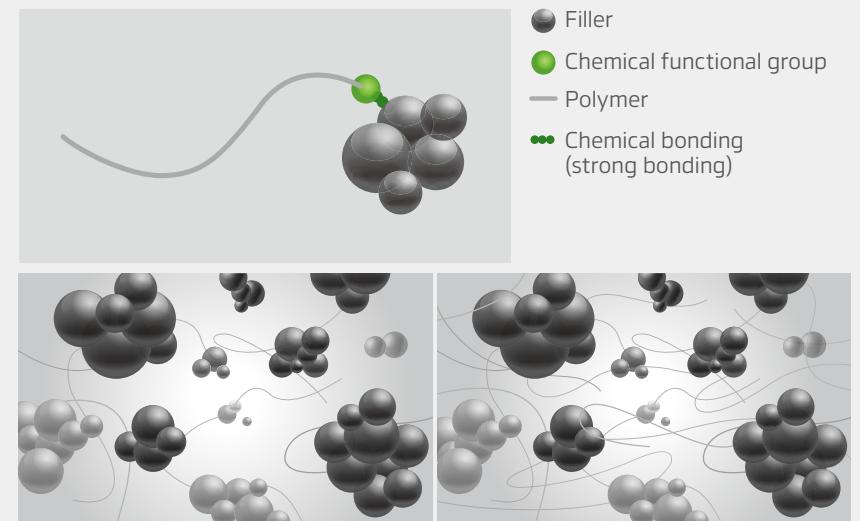
I New profile for wear

New profile is applied for wear by increasing contact width.
New pattern is applied with optimised contact ratio.



J New compound

New compounds improve wet and wear return without sacrificing other performance. Specifically, wear performance is improved by the optimised crosslinking density. Advanced mixing technology with high loading filler and high molecular weight functionalised polymer improves wet and wear performance.



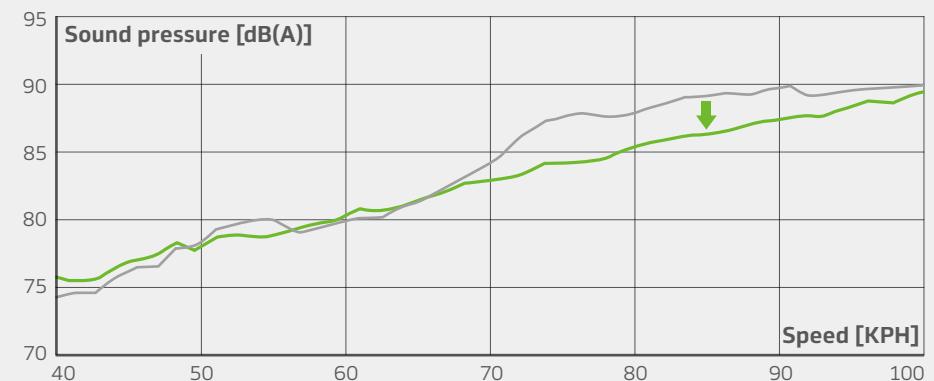
Noise

K Optimised pitch sequence

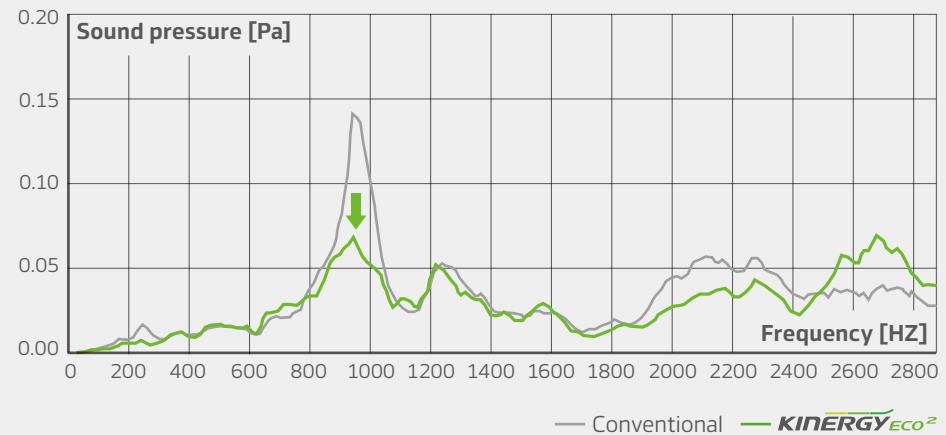
Precisely designed block sizes reduce road noise.



Overall level average



Frequency analysis average



Dry performance

L Asymmetric pattern design

A enhanced outside stiffness ensuring improved dry handling performance.

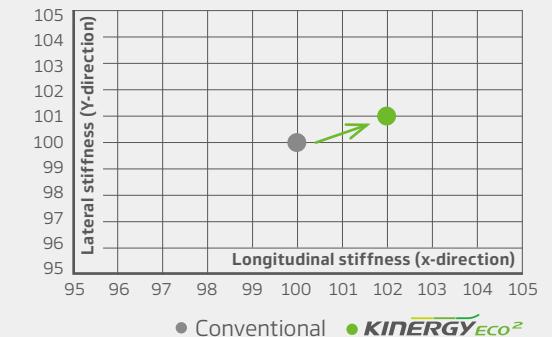
M Step tie-bar

- Application of a stairway-shaped tie-bar enables the tread wear level to be checked
- Reduced block movement establishes strengthened block stiffness and improved driving safety



N Strengthened pattern stiffness

Longitudinal stiffness 2% increased.
Lateral stiffness 1% increased.



Dry braking



VAI (Visual alignment indicator) system

The visual alignment indicator provides an easy to check tyre alignment.

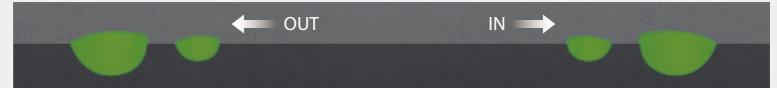
Compare the wear on sipes located on both of the tyres shoulders and then realign if necessary.



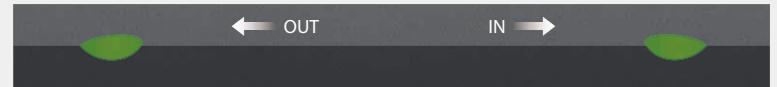
o VAI

Indicator marks have different depths can easily help to identify irregular tyre wear.

Before use



After use (regular wear)



After use (irregular wear)



Tyre structure

High grip silica compound

Improved dry / wet traction and lower rolling resistance.

Jointless full cover reinforcement belt

Ideal tread strength.

Wide steel belt layer

Increases the contact area for better dry and wet handling.

Equilibrium polyester carcass line

Enhance sidewall stiffness and durability, retaining comfort.



High stiffness bead filler

Better handling and steering response.

Strong single strand bead wire

Improved uniformity and tyre fitting.

