

HANKOOK
driving emotion



KINERGY^{ECO}2

The smart choice for driver and environment



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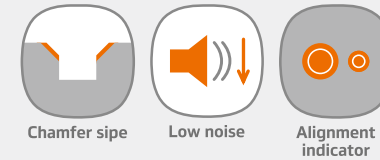
Available sizes



KINERGY ECO²



Technology icon

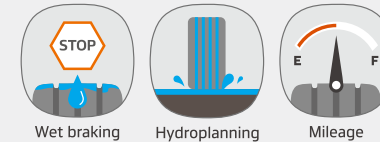


Chamfer sipe

Low noise

Alignment indicator

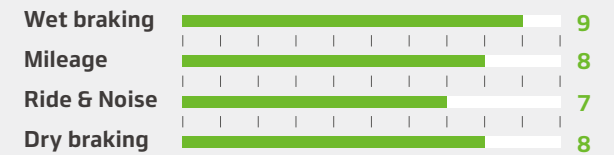
Performance icon



Wet braking

Hydroplaning

Mileage



Technical profile

SS : H,T,V

NSW : 145-215

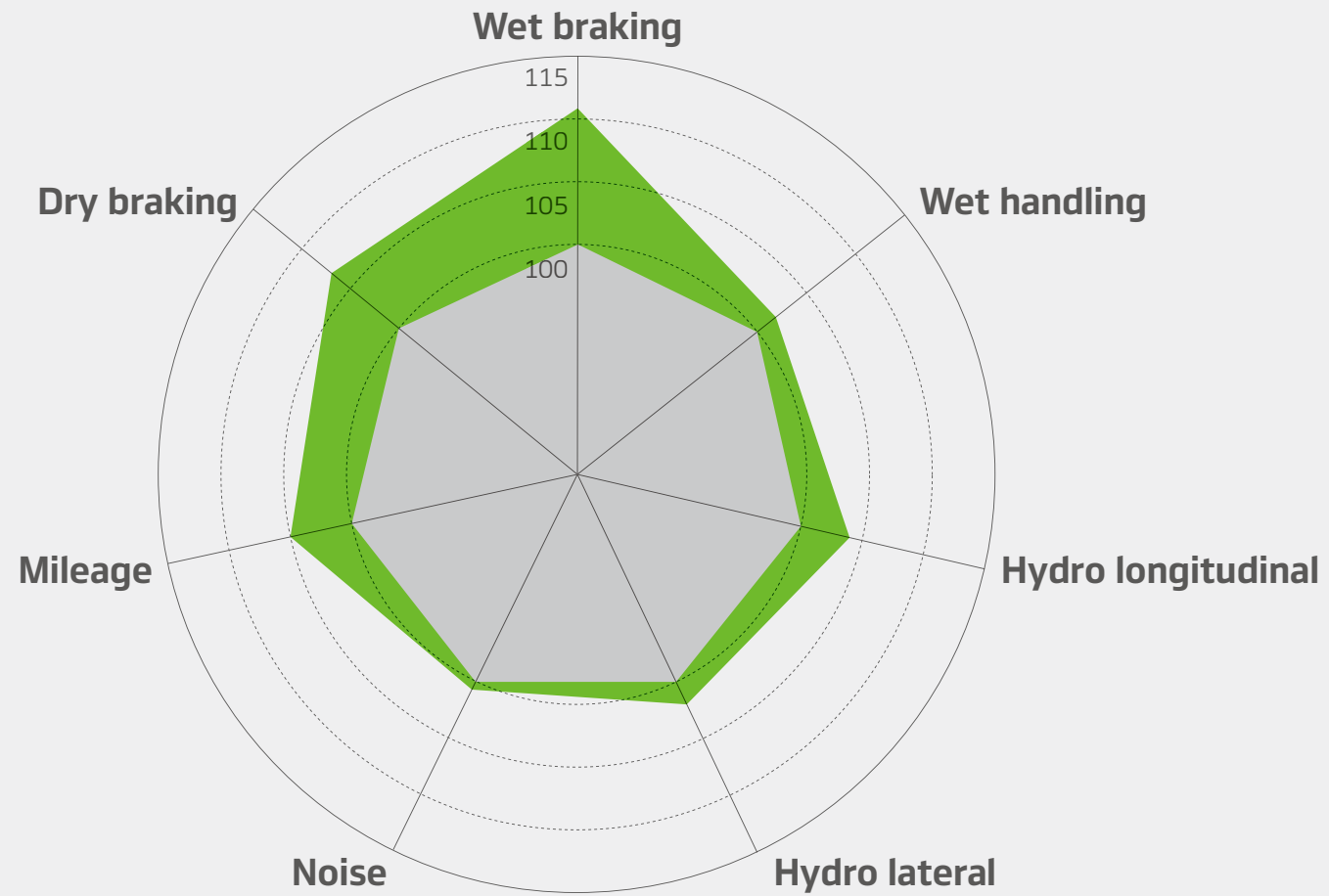
SRS : 55-80

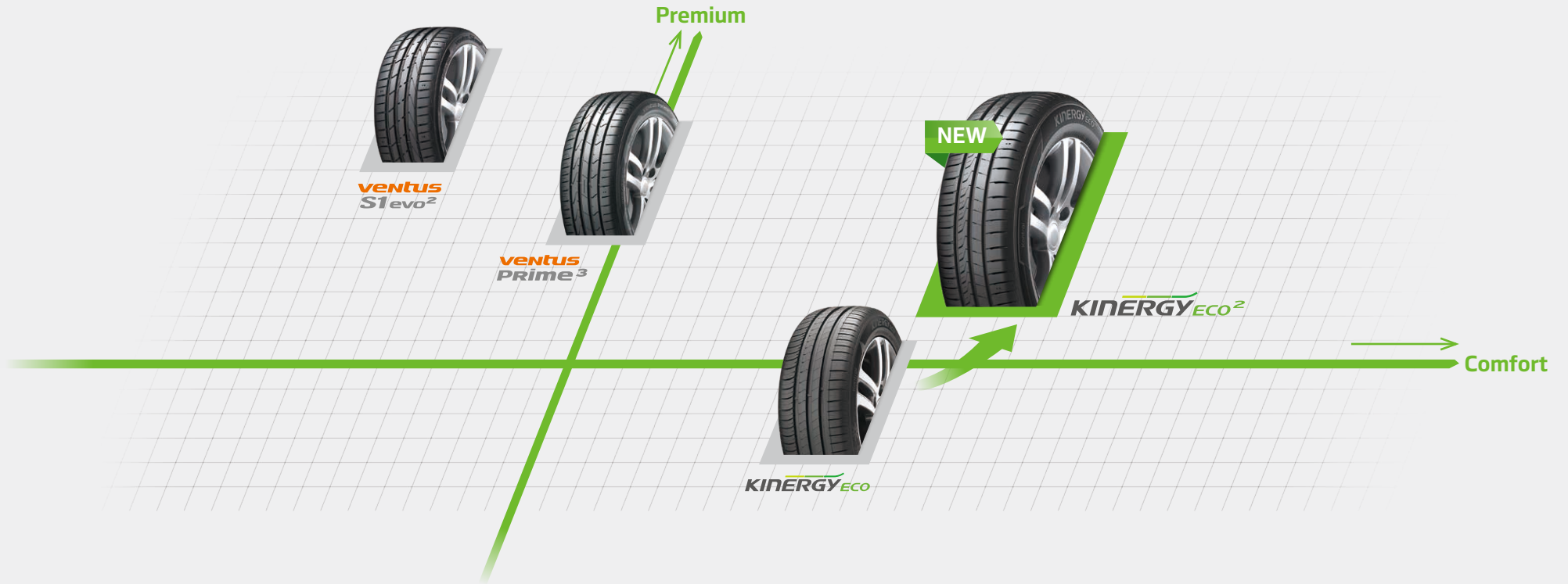
RIM : 13-16

Key performance

Improvement in performance compared to its predecessor.

■ Conventional
■ **KINERGY^{ECO²}**





OPTIMO
K415

K415



KINERGYECO

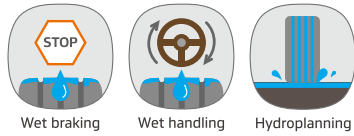
K425



KINERGYECO²

K435

A great change for
wet performance
and long mileage



Safer driving



All-round performance

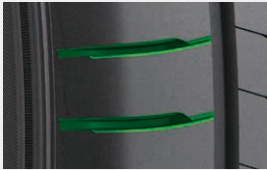


New summer tyres for safer driving giving all-round performance

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.



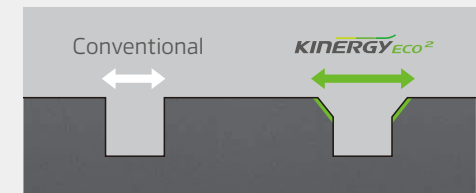
D Optimised shoulder block

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.

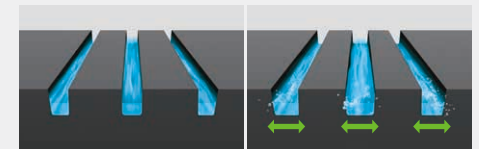


● Conventional ● KINERGYECO²



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.

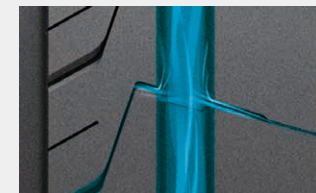


Conventional

KINERGYECO²

H Aqua turbine technology

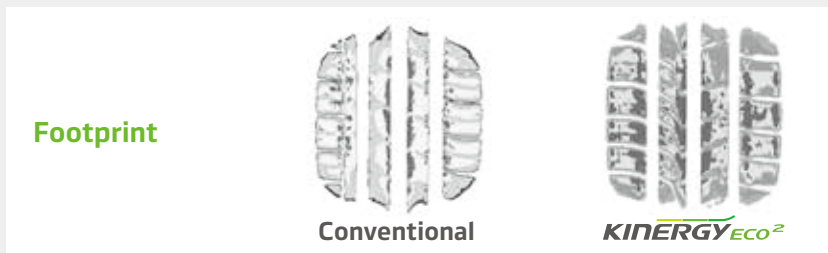
Gives improved drainage for longitudinal and lateral.



Mileage

I New profile for wear

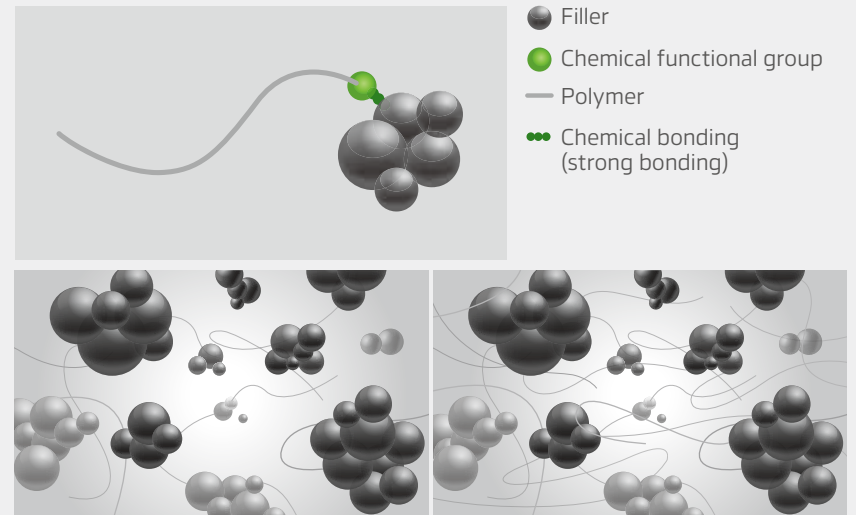
New profile is applied for wear by increasing contact width.
New pattern is applied with optimised contact ratio.



Shape	Round	Square
Contact width	100	103
Contact ratio	100	104

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.



- Filler
- Chemical functional group
- Polymer
- Chemical bonding (strong bonding)

Better crosslinking

Design features and technology

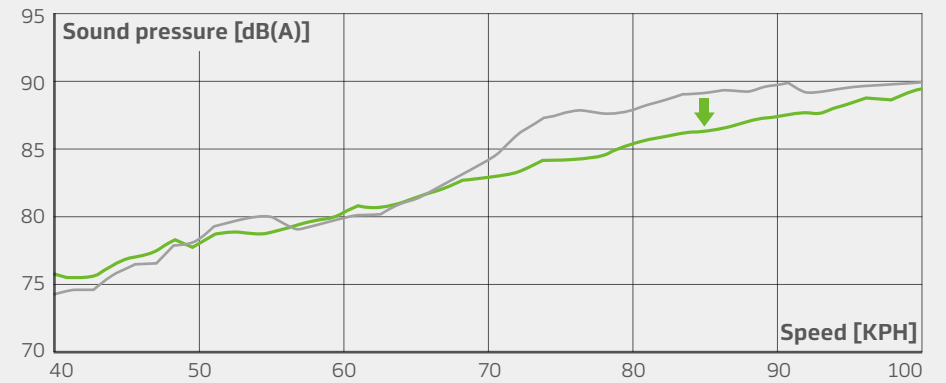
Noise

K Optimised pitch sequence

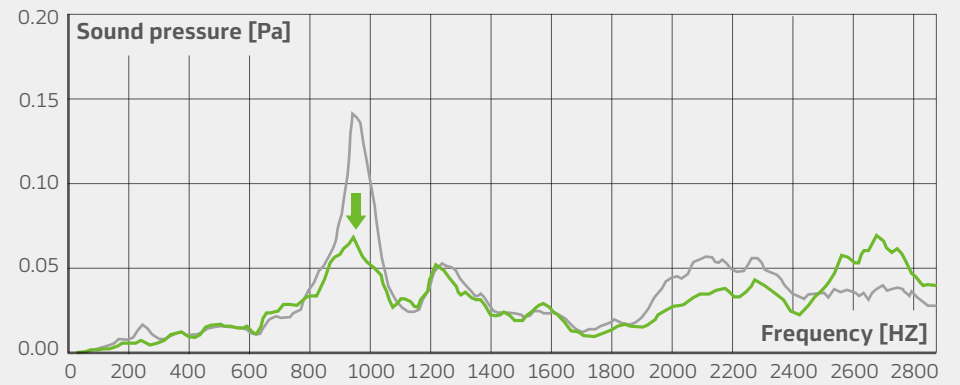
Precisely designed block sizes reduce road noise.



Overall level average



Frequency analysis average



— Conventional — KINERGY ECO²

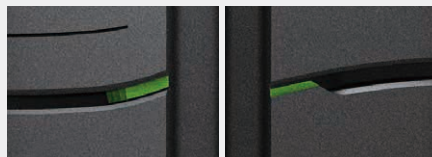
Dry performance

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



Inside

Outside



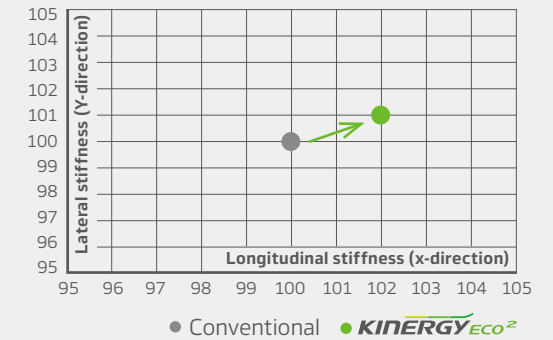
Conventional

KINERGY Eco²

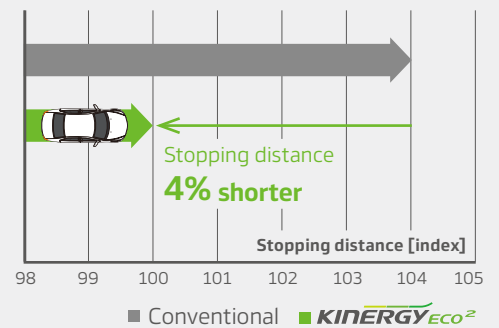


N Strengthened pattern stiffness

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



Dry braking



Design features and technology

VAI (Visual alignment indicator) system

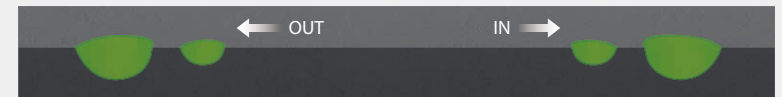
The visual alignment indicator provides an easy to check tyre alignment.
Compare the wear on sipes located on both of the tyres shoulders and then realign if necessary.



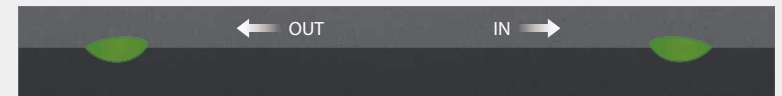
VAI

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

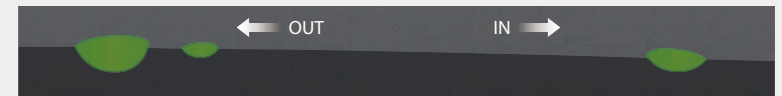
Before use



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.

