

# Maximising Tyre Efficiency

## For Your Vehicle

**Be**

**Label**

**Aware**

# Why tyre labels matter for your vehicle

Tyres account for 20 – 30% of a vehicle's overall energy consumption, therefore choosing the best performing tyres can significantly affect your mileage or range and greenhouse gas emissions.

## Key Benefits



### Energy Savings

Selecting the appropriate tyres can reduce fuel consumption and operating costs.



### Safety

Identify best performing tyres under wet braking, snow and icy conditions.



### Noise

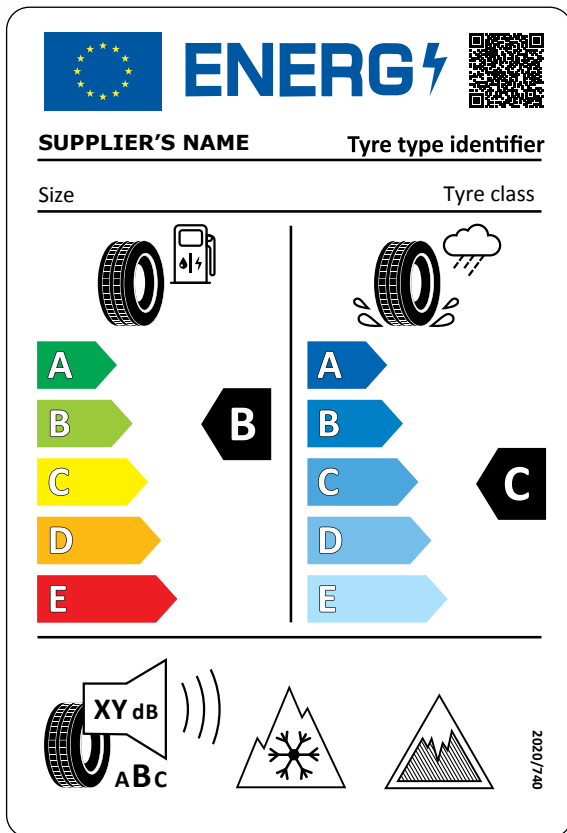
Tyres with lower external rolling noise will reduce cabin noise and local noise pollution from road traffic.



### Environmental Impact

Choosing the best performing tyres reduces greenhouse gas emissions and improves air quality.

The tyre label applies to C1 (passenger car), C2 (van and light truck) and C3 (heavy truck, bus and trailer) tyres.



A QR code, which is linked to the product database



Fuel efficiency (rolling resistance)



Wet grip



Snow grip



Ice grip of a tyre (where applicable)



External rolling noise, measured value and noise class from A to C



Label must be 110mm by 75mm



### **Rolling resistance (from A to E):**

- Each category increase represents a fuel saving of at least 0.1 litres of fuel per 100 km/h.
  - On an EV, changing from an A to a C rated tyre could reduce range by more than 8%.
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### **Wet Grip (from A to E):**

- Each category increase can represent braking distances decreasing by between 3-6 metres.
  - A tyre's wet grip rating shows how well it stops on wet roads. A higher rating means shorter stopping distance - up to 18 metres shorter between an A and an E tyre.
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### **Noise (from A to C):**

- An A rated tyre is half as noisy as a B rated tyre.
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### **Snow Grip:**

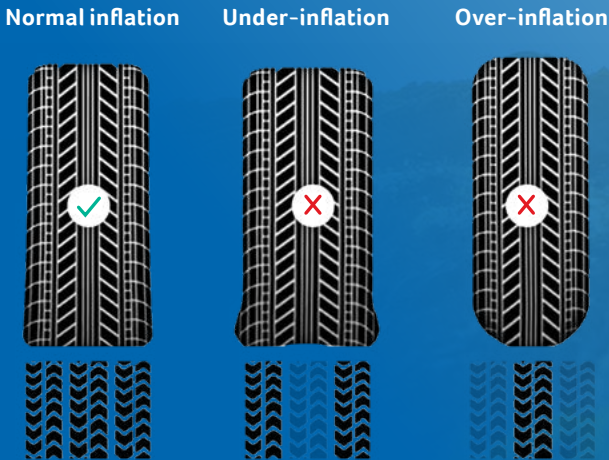
- Tyres designed specifically for use on snow.
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### **Pure Ice:**

- Tyres tested for braking on pure ice.
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# How to maximise tyre performance

Correct tyre inflation is critical. Underinflation will increase the rolling resistance of the vehicle resulting in high fuel costs or lower range in an EV. It also affects the grip of the tyre and causes premature wear.



## Correct tyre inflation is critical

- A tyre can lose 1 psi per month. You should check the pressure monthly to maintain correct pressure.
- Most garages and tyre retailers provide free visual safety checks nationwide.

## Tyres for EVs

- EV tyres are specially selected for optimal performance. Consult your vehicle manual or manufacturer for original tyre label information. Use the label to match or improve upon the original tyre's performance.
- Consider EV-compatible tyres for lower rolling resistance, improved handling, wet braking, and increased torque. It is important to ensure the load capacity of the replacement tyre is suitable for your vehicle.



To get more info visit  
[seai.ie/tyrelabelling](https://seai.ie/tyrelabelling)



Market Surveillance Authority



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As the Market Surveillance Authority (MSA) for the EU Tyre Labelling Regulations in Ireland, SEAI's role is to ensure compliance with Regulation (EU) 2020/740 on the labelling of tyres with respect to fuel efficiency and other parameters.