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Tyre Road Surface Noise - ECE Regulation 117 E4 –SW alternative to E/e4–S

By implementing the **EU directive 2001/43/EG** into **ECE R117**, the **UNECE*** in Geneva is attempting to widen the scope of the EU directive to more countries worldwide. The marking according to ECE R117 has been an alternative to the EU directive 2001/43/EG since 2007. This in addition incorporates future wet grip requirements. To date, the marking **SW (Sound and Wet grip)** is optional. From November 2012, the implementation of these regulations was made compulsory for new product lines.



The wet braking performance is tested on a specified road surface. The stopping distance is measured from 80 km/h to a standstill. During this test, the following performance must be achieved in comparison to a ****reference tyre**:

Summer tyres → 110% wet braking performance (10% shorter braking distance)

Winter tyres R (170 km/h) and higher → 100% wet braking performance

Winter tyres Q (160 km/h) and lower → 90% wet braking performance

****Reference tyre 195/75R14 Tiger Paw (Uniroyal)**