

Regulation (EC) No 1222/2009 of the European Parliament and of the Council of 25 November 2009 on the labelling of tyres with respect to fuel efficiency and other essential parameters (Text with EEA relevance)

ANNEX I

GRADING OF TYRE PARAMETERS

Part A: Fuel efficiency classes

The fuel efficiency class must be determined on the basis of the rolling resistance coefficient (*RRC*) according to the 'A' to 'G' scale specified below and measured in accordance with UNECE Regulation No 117 and its subsequent amendments.

If a tyre type is approved for more than one tyre class (e.g. C1 and C2), the grading scale used to determine the fuel efficiency class of this tyre type should be that which is applicable to the highest tyre class (e.g. C2, not C1).

C1 tyres		C2 tyres		C3 tyres	
<i>RRC</i> in kg/t	Energy efficiency class	<i>RRC</i> in kg/t	Energy efficiency class	<i>RRC</i> in kg/t	Energy efficiency class
$RRC \leq 6,5$	A	$RRC \leq 5,5$	A	$RRC \leq 4,0$	A
$6,6 \leq RRC \leq 7,7$	B	$5,6 \leq RRC \leq 6,7$	B	$4,1 \leq RRC \leq 5,0$	B
$7,8 \leq RRC \leq 9,0$	C	$6,8 \leq RRC \leq 8,0$	C	$5,1 \leq RRC \leq 6,0$	C
Empty	D	Empty	D	$6,1 \leq RRC \leq 7,0$	D
$9,1 \leq RRC \leq 10,5$	E	$8,1 \leq RRC \leq 9,2$	E	$7,1 \leq RRC \leq 8,0$	E
$10,6 \leq RRC \leq 12,0$	F	$9,3 \leq RRC \leq 10,5$	F	$RRC \geq 8,1$	F
$RRC \geq 12,1$	G	$RRC \geq 10,6$	G	Empty	G

Part B: Wet grip classes

The wet grip class of C1 tyres must be determined on the basis of the wet grip index (*G*) according to the 'A' to 'G' scale specified below and measured in accordance with UNECE Regulation No 117 and its subsequent amendments.




<i>G</i>	Wet grip class
$1,55 \leq G$	A
$1,40 \leq G \leq 1,54$	B
$1,25 \leq G \leq 1,39$	C
Empty	D
$1,10 \leq G \leq 1,24$	E
$G \leq 1,09$	F

Empty	G
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Part C: External rolling noise classes and measured value

The external rolling noise measured value (N) must be declared in decibels and calculated in accordance with UNECE Regulation No 117 and its subsequent amendments.

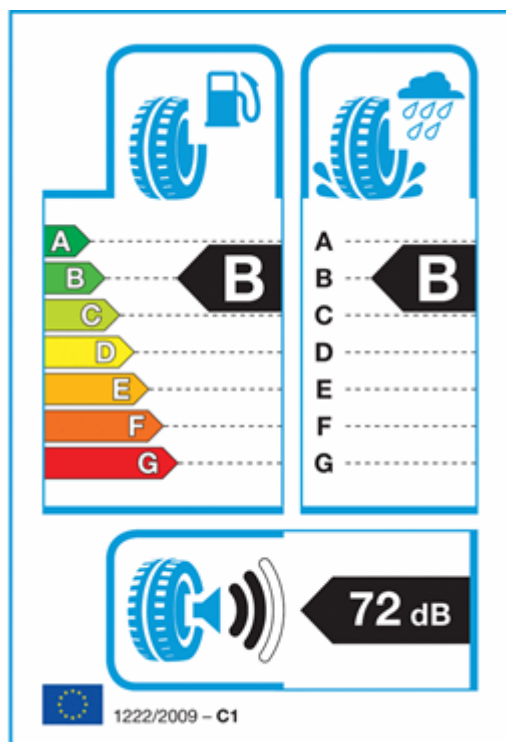
The external rolling noise class must be determined on the basis of the limit values (LV) set out in Part C of Annex II of Regulation (EC) No 661/2009 as follows.

N in dB	External rolling noise class
$N \leq LV - 3$	
$LV - 3 < N \leq LV$	
$N > LV$	

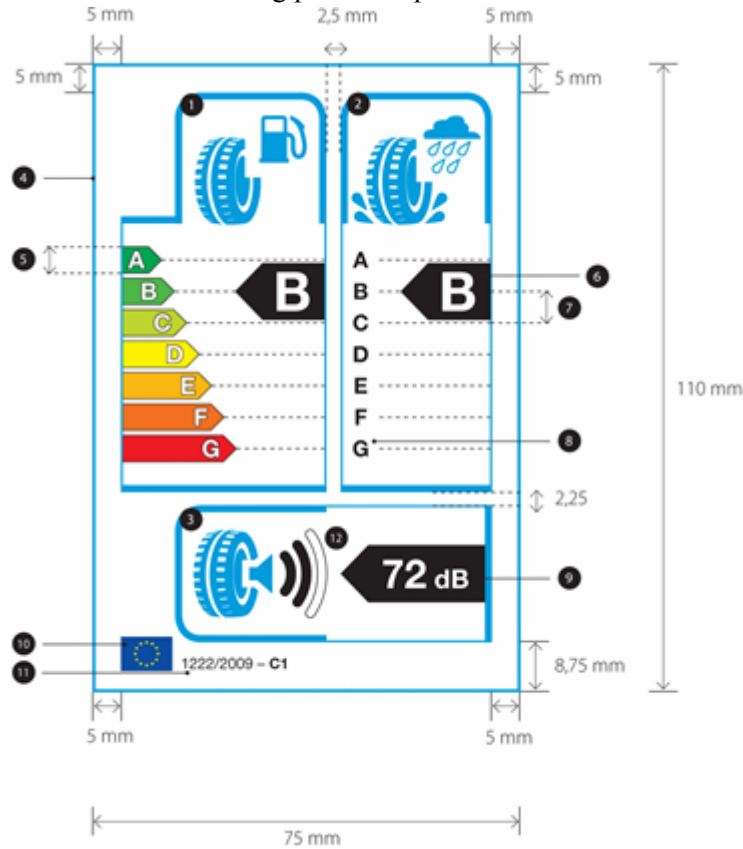
ANNEX II

FORMAT OF THE LABEL

1. Label design
 - 1.1. The label referred to in Articles 4(1) and 5(1) must be in accordance with the illustration below:



1.2. The following provides specifications for the label:



1.3. The label must be at least 75 mm wide and 110 mm high. Where the label is printed in a larger format, its content must nevertheless remain proportionate to the specifications above.

1.4. The label must conform to the following requirements:

(a) Colours are CMYK – cyan, magenta, yellow and black – and are given following this example: 00-70-X-00: 0 % cyan, 70 % magenta, 100 % yellow, 0 % black;

(b) The numbers listed below refer to the legends indicated in point 1.2:

1 *Fuel efficiency*

Pictogram as supplied: width: 19,5 mm, height: 18,5 mm – Frame for pictogram: stroke: 3,5 pt, width: 26 mm, height: 23 mm – Frame for grading: stroke: 1 pt – Frame end: stroke: 3,5 pt, width: 36 mm – Colour: X-10-00-05;

2 *Wet grip*

Pictogram as supplied: width: 19 mm, height: 19 mm – Frame for pictogram: stroke: 3,5 pt, width: 26 mm, height: 23 mm – Frame for grading: stroke: 1 pt – Frame end: stroke: 3,5 pt, width: 26 mm – Colour: X-10-00-05;

3 *External rolling noise*

Pictogram as supplied: width: 14 mm, height: 15 mm – Frame for pictogram: stroke: 3,5 pt, width: 26 mm, height: 24 mm – Frame for value: stroke: 1 pt – Frame end: stroke: 3,5 pt, height: 24 mm – Colour: X-10-00-05;

4 *Label border*: stroke: 1,5 pt – Colour: X-10-00-05;

5 *'A' to 'G' scale*

Arrows: height: 4,75 mm, gap: 0,75 mm, black stroke: 0,5 pt – colours:

— A: X-00-X-00;

— B: 70-00-X-00;

— C: 30-00-X-00

— D: 00-00-X-00;

— E: 00-30-X-00

— F: 00-70-X-00;

— G: 00-X-X-00.

Text: Helvetica Bold 12 pt, 100 % white, black outline: 0,5 pt;

6 *Grading*

Arrow: width: 16 mm, height: 10 mm, 100 % black;

Text: Helvetica Bold 27 pt, 100 % white;

7 *Lines in scale*: stroke: 0,5 pt, dashed line interval: 5,5 mm, 100 % black;

8 *Scale text*: Helvetica Bold 11 pt, 100 % black;

9 *External rolling noise measured value*

Arrow: width: 25,25 mm, height: 10 mm, 100 % black;

Text: Helvetica Bold 20 pt, 100 % white;

Unit text: Helvetica Bold 13 pt, 100 % white;

10 *EU logo*: width: 9 mm, height: 6 mm;

11 *Regulation reference*: Helvetica Regular 7,5 pt, 100 % black;

Tyre class reference: Helvetica Bold 7,5 pt, 100 % black;

12 *External rolling noise class* as supplied in part C of Annex I: width: 8,25 mm, height: 15,5 mm – 100 % black

(c) The background must be white.

1.5. The tyre class (C1 or C2) must be indicated on the label in the format prescribed in the illustration in point 1.2.

2. Sticker

- 2.1. The sticker referred to in Articles 4(1) and 5(1) consists of two parts: (i) a label printed in the format described in point 1 of this Annex and (ii) a brand space printed in accordance with the specifications described in point 2.2 of this Annex.
- 2.2. Brand space: Suppliers must add their trade name or trade mark, the tyre line, tyre dimension, load index, speed rating and other technical specifications on the sticker along with the label, in any colour, format and design, provided that this does not detract from or disrupt the message on the label defined in point 1 of this Annex. The total surface of the sticker shall not exceed 250 cm² and the total height of the sticker shall not exceed 220 mm.

ANNEX III

Information provided in technical promotional material

1. Information on tyres must be provided in the order specified as follows:
 - (i) the fuel efficiency class (letter 'A' to 'G');
 - (ii) the wet grip class (letter 'A' to 'G');
 - (iii) the external rolling noise class and measured value (dB).
2. The information provided in point 1 must meet the following requirements:
 - (i) be easy to read;
 - (ii) be easy to understand;
 - (iii) if different grading is available for a given tyre type depending on dimension or other parameters, the range between the least and best performing tyre is stated.
3. Suppliers must also make the following available on their websites:
 - (i) a link to the relevant Commission webpage dedicated to this Regulation;
 - (ii) an explanation of the pictograms printed on the label;
 - (iii) a statement highlighting the fact that actual fuel savings and road safety depend heavily on the behaviour of drivers, and in particular the following:
 - eco-driving can significantly reduce fuel consumption,
 - tyre pressure should be regularly checked to optimise wet grip and fuel efficiency performance,
 - stopping distances should always be strictly respected,

ANNEX IV

Verification procedure

The conformity of the declared fuel efficiency and wet grip classes as well as the declared external rolling noise class and measured value must be assessed for each tyre type or each grouping of tyres as determined by the supplier, according to one of the following procedures:

- (a)
 - (i) a single tyre is tested first. If the measured value meets the declared class or external rolling noise measured value, the test is passed;
and
 - (ii) if the measured value does not meet the declared class or external rolling noise measured value, three more tyres are tested. The average measurement value stemming from the four tyres tested are used to assess conformity with the declared information;

or

- (b) where the labelled classes or values are derived from type approval test results obtained in accordance with Directive 2001/43/EC, Regulation (EC) No 661/2009, or UNECE Regulation No 117 and its subsequent amendments, Member States may make use of the tyre conformity of production data from these type approvals.

Assessment of conformity of production data must take into account allowances as specified in section 8 of UNECE Regulation No 117 and its subsequent amendments.