

**THE NETHERLANDS**
(N E D E R L A N D)**COMMUNICATION**

Concerning:

- ~~approval granted~~
- approval extended
- ~~approval refused~~
- ~~approval withdrawn~~
- ~~production definitely discontinued~~

of a type of tyre with regard to 'rolling sound emission level' and/or 'adhesion performance on wet surfaces' and/or 'rolling resistance' pursuant to Regulation number 117.

Approval number: E4-117R-027911 S2WR2

Extension number:01

- | | | |
|-----|---|---|
| 1. | Manufacturer's name and address(es) | : Continental Reifen Deutschland GmbH
Vahrenwalder Str. 9
D-30165 Hannover |
| 2. | If applicable, name and address of manufacturer's representative | : Not applicable |
| 3. | 'Tyre class' and 'category of use' of the type of tyre | : class C1/ class C2/class C3 ⁽¹⁾
Normal/Snow/Special ⁽¹⁾ |
| 3.1 | Snow tyre for use in severe snow conditions | yes /no ⁽²⁾ |
| 3.2 | Traction tyre | yes /no ⁽²⁾ |
| 4. | Brand name(s) and/or Trade description(s) of the type of tyre | : Continental CrossContact ATR |
| 5. | Technical service and where appropriate, test laboratory approved for purposes of approval or of verification of conformity tests | Continental Reifen Deutschland GmbH
Vahrenwalder Str. 9
30165 Hannover
Germany |
| 6. | Performance(s) approved | : sound level at (stage 1 /stage 2) ⁽¹⁾ , wet adhesion level, rolling resistance level (stage 1 /stage 2) ⁽¹⁾ |



- 6.1 Sound level of the representative tyre size, see Paragraph 2.5. of Regulation number 117, as per item 7. of the test report in the Appendix 1 to Annex 3: 72 dB(A) at reference speed of 70/80 km/h⁽¹⁾.
- 6.2 Wet adhesion level of the representative tyre size, see Paragraph 2.5. of Regulation number 117, as per item 7. of the test report in the appendix to Annex 5: 1,33 (G) using the vehicle or trailer method⁽¹⁾.
- 6.3. Rolling Resistance level of the representative tyre size, see paragraph 2.5 of Regulation number 117, as per item 7. of the test report in the appendix 3 to Annex 6: 9,0 N/kN⁽²⁾.
- 6.4 Snow grip level of the representative tyre size, see paragraph 2.5. of Regulation No. 117, as per item 7. of the test report in the appendix⁽²⁾ to Annex 7: SI = - (Snow grip index) using the brake on snow method⁽¹⁾, spin traction method⁽¹⁾ or acceleration method⁽⁴⁾ Not applicable

7. Number of report issued by that service:

Sound	2016 255, 2015 127, 2016 207
Wet adhesion	WET2016D1205750211
Rolling resistance	ET348499-4599188
Snow grip ⁽³⁾	Not applicable

8. Date of report issued by that service:

Sound	07. September 2016, 06. November 2015,
Wet adhesion	14. June 2016
Rolling resistance	03. June 2016
Snow grip ⁽³⁾	10. May 2016
	Not applicable

9. Reason(s) of extension (if applicable) : Additional Tyre Size added

10. Any remarks : -
:

11. Place : Zoetermeer

12. Date : 21-NOV-2016

13. Signature :

14. Annexed to this communication are::


14.1. A list of documents in the approval file deposited at the Type Approval Authorities having delivered the approval and which can be obtained upon request⁽³⁾.

14.2. A list of tread-pattern designations: Specify for each trademark or brand name and trade description the list of tyre size designations adding, in case of Class C1 tyres, the mark 'reinforced' (or 'extra load') or the speed symbol of snow tyres or in the case of tyres of Classes C2 and C3, the mark 'traction', if so required by paragraph 3.1. of this Regulation.

⁽¹⁾ Strike out what does not apply.⁽²⁾ Appendix 2 for C1 and C2 tyres.
Appendix 3 for C3 tyres.⁽³⁾ In the case of 'snow tyre for use in severe snow conditions' a test report according to Appendix 2 of Annex 7 shall be submitted.

Tyre List:

Nov 16

Continental, CrossContact ATR

		Report No.	Result	Marking
Test size for Tyre/road noise	265/70 R16	2015 127	72 dB(A)	S2
Test size for Tyre/road noise	255/55 R19	2016 207	71 dB(A)	S2
Test size for Tyre/road noise	275/40 R20*	2016 255*	71 dB(A)*	S2
Test size for Tyre/wet-grip	235/75 R15	WET2016D1205750211	Index 1,33	W
Test size(s) for rolling resistance	265/70 R16 112	ET348499-4599188	9,0 N/kN	R2
	112		9	see below

All sizes of above pattern and category of use snow without Three Peak Mountain

nominal section width	aspect ratio	rim diameter code	load index (single tyre load)	calculated	limit (N/kN)
= 275*	= 40*	≤ 20*	≥ 92	for R2 marking	10,5
= 275*	> 40*	any	≥ 92	for R2 marking	10,5
< 275*	any	any	≥ 92	for R2 marking	10,5

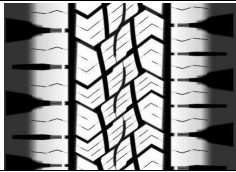
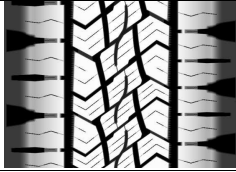
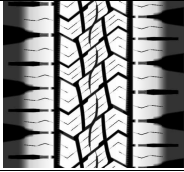
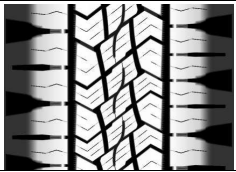
are covered by this approval.

Calculation of Load Index limits for Rolling Resistance:

$$LI_{lowest} = 112 - (1/0,06 \text{ N/kN}) * (10,5 \text{ N/kN} - 0,3 \text{ N/kN} - 9,0 \text{ N/kN}) = 92$$



Drawing of the tread pattern

Manufacturer name	Continental			
Pattern name	CrossContact ATR			
Tire size	265/70 R16	255/55 R19	235/75 R15	275/40 R20
Tyre category*	C1	C1	C1	C1
Category of use*	normal / snow** / —special	normal / snow** / —special	normal / snow** / —special	normal / snow** / —special
other markings	M+S / ET / MPT / ML Alpine Symbol	M+S / ET / MPT / ML Alpine Symbol	M+S / ET / MPT / ML Alpine Symbol	M+S / ET / MPT / ML Alpine Symbol
Pitch number (outside / inside)	56 / 56	56 / 56	56 / 56	56 / 56
Pitch ratio (outside / inside)	1.0 - 1.2 - 1.4	1.0 - 1.2 - 1.4	1.0 - 1.2 - 1.4	1.0 - 1.2 - 1.4
Void to fill ratio [%]	29.2	29.6	28.6	27.4
Width: main grooves [mm]	12.9	13.7	11.2	12.0
Depth: center groove [mm]	9.9	8.8	9.9	8.8
Depth: shoulder slit (@ 65% TW ₄₅) [mm]	9.9	8.4	9.9	8.4
Criff Index	0,69	0,69	0,69	0,69
Pattern range [summer (0.01-0.50)/all season (0.51-1.5)/winter (1.51 -5.5)]	all season	all season	all season	all season
Pattern				

Approval-Marking:	E4-027911 S2WR2	E4-027911 S2WR2	E4-027911 S2WR2	E4-027911 S2WR2
Drawing No.:	4107	4107	4107	4107
Date:	16.06.15	16.06.16	16.06.16	04.11.16

** Test report provided, when marked with **Three Peak Mountain Snow Flake**

