



Michelin – Witnessing – Curbstone impact resistance

25CPAEXT-249 (5) of 30/06/2026

385/65R22.5 MICHELIN X MULTI T2 vs competitors

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Report 25CPAEXT-249 (5)
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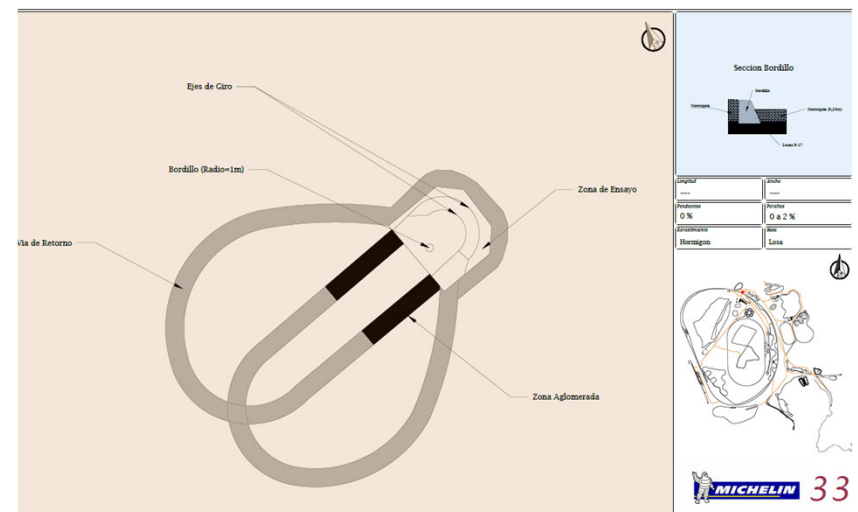
Michelin – Witnessing – Curbstone impact resistance Timing

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- Date: From 06/02/2026 to 05/03/2026 => 23 days and from 07/04/2026 to 24/04/2026 => 18 days
- 6 weeks of heat aging (65°C – tires mounted, initial pressure 9 bar)
- Date: Tuesday, April 28; Wednesday, April 29; and Thursday, April 30, 2026
- Track: Michelin Almería (Spain). Concrete Track 33.
- Evaluation type: Curbstone impact resistance



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Michelin – Witnessing – Curbstone impact resistance Staff

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- DEKRA Test Center :
 - 1 Engineer witnessing the test, checking parameters and results of the test.
- MICHELIN :
 - 1 Professional driver to perform the comparative study
 - 1 Tire Fitter to rotate the wheels

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Tested tires

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Position	Matricule #	DOT #	Size - Model
1L	OLD93454R	1425	385/65R22.5 MICHELIN X MULTI T2 160K
1L	K7V335617	3225	385/65R22.5 BRIDGESTONE DURAVIS R-TRAILER 002 164K
1L	6160232400	3925	385/65R22.5 CONTINENTAL CONTI HYBRID HT3+ 164K
1L	6018611403	4425	385/65R22.5 GOODYEAR KMAX T GEN-3 164K
1L	8958716694	2825	385/65R22.5 HANKOOK SMART FLEX TH31 164K

Tire state: New

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Protocol # MT_PL_CT_01

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- Oven-curing of tires for 6 weeks.
- Mounting of all tires on the same rim.
- Load applied to the tire under test: 4,500 kg.
- Cold inflation pressure (prior to warm-up): 9 bar.
- Warm-up for 1 hour 30 minutes on Track 27 (asphalt).
The warm-up takes place on the same track for all tested tires.
- At the end of the warm-up, and before the first curbstone impact, the hot pressure is adjusted to 10.7 bar for all tires.
- Before each curbstone impact, the tire under test is oriented according to the impact number to ensure identification during the final inspection.

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- From the driver's seat, the driver follows the line marked on the ground using the screen connected to the camera mounted on the front of the truck.
- This ensures that the trajectory of the curbstone impact is identical for every pass and every tire.
- Interim summary:
 - Picture showing the tire's condition after 5 consecutive curbstone impacts
 - For each impact: cut length and description (if applicable) of the tire ply affected by the impact
- After the curbstone impact, each tire undergoes drum testing until failure:
Speed: 73 km/h Load: 4,500 kg Pressure: 9.0 bar Ambient temp.: 25°C
- Pressure is adjusted cold before the test begins and is not altered thereafter.
- Result:
- Distance performed on the test drum before failure following the 5 consecutive curbstone impacts.

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Curbstone impact synthesis

385/65 R22.5 MICHELIN X MULTI T2 vs competitors

- Tire #1 – HANKOOK SMART FLEX TH31
- Tuesday 28/04/2026 – 15:55
- Hot-adjusted pressure: 10.75 bar
- Details of sidewall cut lengths (mm):
 - Impact # 1 : 458 + 14 + 34 + 37 + 18
 - Impact # 2 : 499 + 27 + 35 + 20 + 26
 - Impact # 3 : 360 + 31 + 31 + 14 + 28 + 25 + 34
 - Impact # 4 : 389 + 31 + 26 + 17 + 21 + 16 + 29 + 28
 - Impact # 5 : 466 + 24 + 34 + 26 + 71 + 75
- Total : 2 944 mm



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Curbstone impact synthesis

385/65 R22.5 MICHELIN X MULTI T2 vs competitors

- Tire #2 – CONTINENTAL CONTI HYBRID HT3+
- Wednesday 29/04/2026 – 11:00
- Hot-adjusted pressure : 10.71 bars
- Details of sidewall cut lengths (mm):
 - Impact # 1 : 35 + 104 + 51
 - Impact # 2 : 28 + 35 + 25
 - Impact # 3 : 293
 - Impact # 4 : 136 + 92
 - Impact # 5 : 190 + 17 + 23
- Total : 1 029 mm



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Curbstone impact synthesis

385/65 R22.5 MICHELIN X MULTI T2 vs competitors

- Tire #3 – MICHELIN X MULTI T2
- Wednesday 29/04/2026 – 15:00
- Hot-adjusted pressure : 10.69 bars
- Details of sidewall cut lengths (mm):
 - Impact # 1 : 0
 - Impact # 2 : 21
 - Impact # 3 : 0
 - Impact # 4 : 17
 - Impact # 5 : 91 + 39 + 8 + 9
- Total : 185 mm



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Curbstone impact synthesis

385/65 R22.5 MICHELIN X MULTI T2 vs competitors

- Tire #4 – BRIDGESTONE DURAVIS R-TRAILER 002
- Thursday 30/04/2026 – 11:00
- Hot-adjusted pressure : 10.71 bars
- Details of sidewall cut lengths (mm):
 - Impact # 1 : 30 + 11 + 103 + 22 + 14 + 37 + 22
 - Impact # 2 : 190 + 21 + 16 + 28 + 14 + 30 + 13 + 36 + 11 + 43
 - Impact # 3 : 154 + 65 + 17 + 42 + 18 + 28 + 26 + 32
 - Impact # 4 : 114 + 44 + 22 + 7 + 21 + 28 + 30 + 15
 - Impact # 5 : 174 + 19 + 8 + 12
- Total : 1 517 mm



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Curbstone impact synthesis

385/65 R22.5 MICHELIN X MULTI T2 vs competitors

- Tire #5 – GOODYEAR KMAX T GEN-3
- Thursday 30/04/2026 – 15:00
- Hot-adjusted pressure : 10.75 bars
- Details of sidewall cut lengths (mm):
 - Impact # 1 : 0
 - Impact # 2 : 0
 - Impact # 3 : 0
 - Impact # 4 : 0
 - Impact # 5 : 0
- Total : 0 mm



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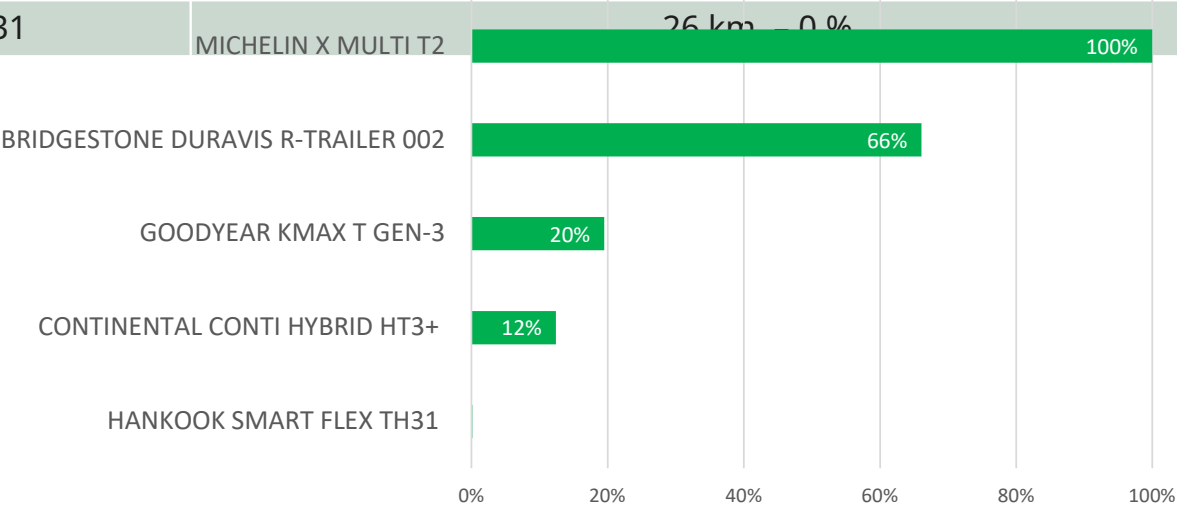
	Total sidewall cuts length (en mm) – Number of sidewall cuts
GOODYEAR KMAX T GEN-3	0 mm – 0 sidewall cut
MICHELIN X MULTI T2	185 mm – 6 sidewall cuts
CONTINENTAL CONTI HYBRID HT3+	1 029 mm – 12 sidewall cuts
BRIDGESTONE DURAVIS R-TRAILER 002	1 517 mm – 37 sidewall cuts
HANKOOK SMART FLEX TH31	2 944 mm – 31 sidewall cuts

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Michelin – Witnessing – Curbstone impact resistance Results

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	Distance performed on the test drum before failure following the 5 consecutive curbstone impacts (km - %)	Ranking
MICHELIN X MULTI T2	53 804 km – 100 %	1 st
BRIDGESTONE DURAVIS R-TRAILER 002	35 589 km – 66 %	2 nd
GOODYEAR KMAX T GEN-3	10 473 km – 20 %	3 rd
CONTINENTAL CONTI HYBRID HT3+	6 677 km – 12 %	4 th
HANKOOK SMART FLEX TH31	26 km – 0 %	5 th



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DEKRA Test Center

Your contacts

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Mrs Audrey CAUQUIL

Key Account Manager

Mobile : +33 (0)7 77 32 22 20

audrey.cauquil@dekra.com

M Stéphane PARRINI

Validation Tests Manager

Mobile : +33 (0)6 16 41 54 38

stephane.parrini@dekra.com

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