Conti Urban

www.continental-tires.com
With the ever-increasing trend towards urbanization worldwide comes the need for more sustainable urban mobility concepts. In 2021, e-buses already accounted for more than 30 percent of new bus registrations in the European Union. Market studies forecast annual growth rates of almost 35 percent from 2021 to 2025. Continental designed a concept tire for all-electric city buses and commercial vehicles showing how tires can help address the transition towards electric mobility.
Conti Urban
Designed for electric city buses and delivery trucks

› Concept tire for all-electric city buses and commercial delivery vehicles used in urban traffic
› Around 50 percent of the materials are responsibly sourced, renewable as well as recycled
› Conti Urban’s tread is optimized in terms of rolling resistance
› Reduced tire noise perception by harmonizing the tire’s contact with the road surface, leading to greater comfort for all in urban environments
Conti Urban

- Renewable Materials in Tread: 70%
- Special Noise Optimization
- Low Rolling Resistance for High Energy Efficiency: 7% lower
Conti Urban
Sustainability increases from the second use phase onwards

› Approximately 50 percent renewable and recyclable materials
› Share of renewable materials used in the tread is around 70 percent
› 100% of the natural rubber used in the tread compound comes from a special project in West Kalimantan, Indonesia
› Retreading the Conti Urban, giving the casing a second life, increases the share of renewable and recycled feedstock to more than 90%

After Retreading:
>90% Renewable and Recycled Feedstock

70% Renewable Materials Used in the Tread

50% Sustainable Materials in the Tire
Conti Urban
High share of renewable and recycled materials

- **Recycled Materials**
  - 6%
  - Recycled Steel
  - Recovered Carbon Black
  - Rubber from Worn Tires

- **Renewable Materials**
  - 41%
  - Natural Rubber
  - Rapeseed Oil
  - Silicate from Ashes of Rice Husks
Conti Urban

Tread consists of 100% sustainably sourced natural rubber

› The sustainable tire concept features responsibly sourced natural rubber from a special project in West Kalimantan, Indonesia
› Continental and the German development aid agency Gesellschaft für Internationale Zusammenarbeit (GIZ) launched the joint project back in 2018
› The aim of the project is to enable smallholders in the natural rubber sector to cultivate a high-quality product in compliance with clearly defined sustainability criteria. This also helps boosting their income
Conti Urban
Ready for e-mobility

› Reduced rolling resistance contributes to greater energy efficiency of the tire, which in turn increases the range of vehicles

› The Conti Urban supports commercial vehicle manufacturers in meeting regulatory requirements for CO₂ emissions and fuel consumption, helping to fulfill for example European VECTO requirements

› Higher mileage is achieved through minimized gaps within the Conti Urban tread pattern and an increased tread width
Conti Urban
Optimization in subjective noise perception

- The Conti Urban is especially noise optimized. Individual tread segments, so-called pitches, have been designed with different lengths running around the tire.
- The pattern has been optimized to spread tire noise in a wider frequency range.
- This improves the subjective noise perception and increases comfort for all in urban environments.
Conti Urban
Sensor-equipped tires for efficient tire management

› Predictive tire monitoring through the new generation of Continental’s in-tire sensor helps to save fuel and be more efficient with resources
› Temperature and pressure are constantly monitored
› The sensor-based mileage counter enables tread depth monitoring
› The integrated tire sensor transmits data via radio wave or Bluetooth signal and can be easily read using a smart device
› Continental’s all-encompassing digital tire management system, ContiConnect 2.0, offers customized digital and service-based tire management
The Conti Urban tire is yet another example of Continental’s wide-ranging initiatives aimed at sustainability.

Our ambition is clear: we want to become the most progressive tire company in terms of environmental and social responsibility by the year 2030.

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<th>2030:</th>
<th>2050:</th>
<th>100% Carbon-Neutral and Responsible Supply Chain</th>
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<td>60% Sustainable Materials in Flagship Products</td>
<td>100% Sustainable Materials</td>
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