



## Conti Urban

Sustainable. Noise Optimized. Ready for Urban E-Mobility.



# Conti Urban

## Our sustainable tire concept

- › 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

Sustainable. Efficient. Ready for urban e-mobility.



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



**Renewable  
Materials Used in  
the Tread**

**70%**



**Sustainable  
Materials in the  
Tire**

**50%**

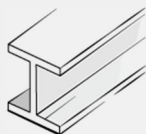




# Conti Urban

## High share of renewable and recycled materials

Recycled  
Materials  
**6%**



Recycled  
Steel



Recovered  
Carbon Black



Rubber from  
Worn Tires



Renewable  
Materials  
**41%**



Natural Rubber



Silicate from  
Ashes of Rice Husks



Rape Seed Oil



# 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

**Responsibly Sourced  
Natural Rubber in Tread  
100%**





# 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 CO<sub>2</sub> 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



Rolling Resistance  
Optimization

**7%**  
better





# 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





# Conti Urban

## Meeting our future sustainability targets today

- › 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



2030:

**60%** Sustainable Materials  
in Flagship Products

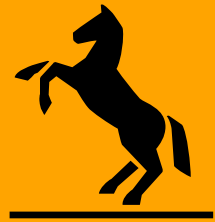
2050:

**100%** Sustainable  
Materials

**100%** Carbon-Neutral and  
Responsible Supply Chain



**Continental**



The Future in Motion