

Welcome to the second lesson where we will discuss the requirements and application ranges of industrial solid tires. We will aim to clarify the following questions:

- What demands are made on industrial solid tires?
- What application ranges are there?
- What application criteria are there for Continental industrial solid tires?

This knowledge informs you about the use of industrial pneumatic tires.

Extreme operating conditions that pneumatic tires were unable to handle lead to the development of industrial solid tires. The following **requirements** were critical:

- **Puncture resistance**
- **Maintenance-free operation**
- **Stability**

Due to their **construction**, industrial solid tires, **Super Elastic tires** and **Press on Bands** are all able to meet these requirements. You'll learn more about this later.

Continental Super Elastic tires and **Continental Press on Bands** offer a high level of stability in extreme operating conditions. At driving speeds of up to **25 km/h** they guarantee **maintenance-free operation** under harsh conditions such as:

- **Risk of kerbstone damage and cuts**
 - **Driving over sharp-edged waste and stones**
 - **Driving into sheet metal stacks**
- **Temporary overtemperatures**
 - **High handling performance**
 - **Transport of molten materials**

Continental Super Elastic tires achieve an extremely good mileage performance and thus offer **good level of economy**. All Continental Super Elastic tires have a **60-Joule-Indicator** (wear limit) for driving on public roads in accordance with German Road Traffic Regulations (StVZO).

Continental Press on Bands are suitable for speeds of up to 25 km/h. They are used on slow-moving industrial trucks and on level or secured roadways. Their use on heavy load trailers has provided unquestionable proof of their **low rolling resistance** and high level of economy. **Resistance** is the highest priority for Continental Press on Bands.

We have listed a selection of **application ranges** below to give you an idea:

- **Logistics centres**
- **Airports**
- **Sea ports**
- **Shipyards**
- **Industrial production**
- **Smelting works**
- **Food industry**



fig. for industrial use

As already explained, industrial solid tires were developed as a result of the **operating conditions** that existed within the companies. Forklift trucks have to be **stable** and **reliable**. The following tables will show you which **tasks** Continental industrial solid tires can handle:

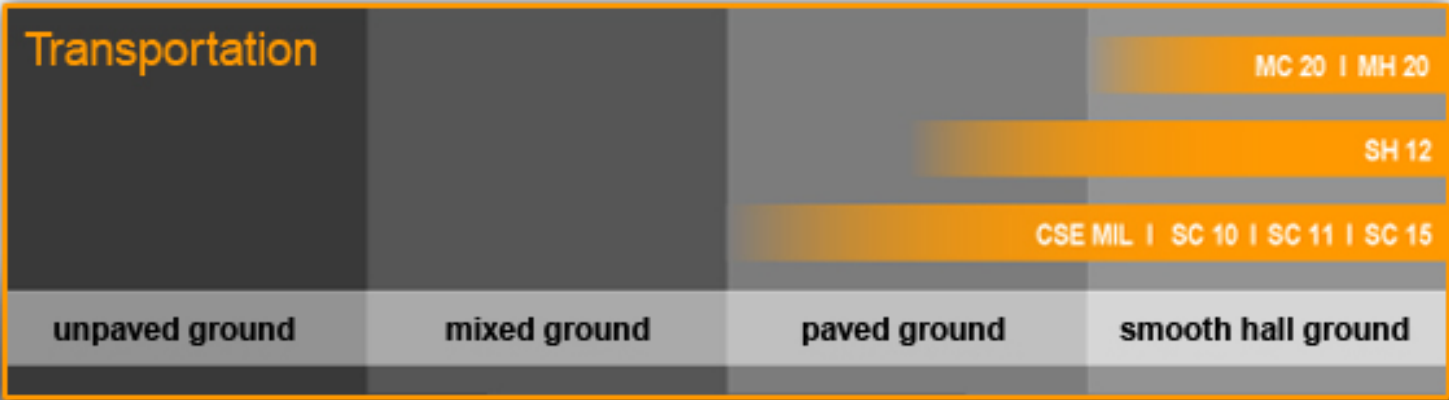


fig. transportation

Industrial solid tires can be used for what tasks?

earthmoving

stacking/lifting

multi-purpose tasks

haulage

- **Continental industrial solid tires are stable, reliable and maintenance-free.**
- **Solid tires can be used on public roads due to their 60-Joule-Indicator.**
- **Solid tires are used in logistics centres, at airports, sea ports, shipyards, in industrial production, smelting works and the food industry.**