

# THE ROAD TO RECYCLING

100% recycled asphalts 

*It is possible to apply  
the circular economy  
also in the production of asphalts:*

## ENDLESS RECYCLING



The **materials** that have been used in the past can be **reused** almost *endlessly* without sending them to landfills or taking new ones from quarries

## NOISE REDUCTION WITH RECLAIMED MATERIAL



It is possible to **make the roads quieter** by adding innovative products with recycled rubber powder from exhausted tires into the asphalt mixture

## LOWERING OF PRODUCTION TEMPERATURES



It is possible to drastically **reduce** the production and laying **temperatures** of asphalts, thus **decreasing the energy** used and the fumes released into the atmosphere

# 100% recycled definitive potholes-plugging solutions

**WHAT ARE THEY USED FOR?**  
For covering of tracks, low-speed roads, potholes plugging

## REJUVENATING SOLUTIONS

### ENVIRONMENTAL ADVANTAGES

100% reclaimed materials

Zero emissions into the atmosphere

Zero emissions related to transport

**WHAT ARE THEY?**

Added in low dosages to the asphalt mixture, they allow to **reclaim directly *in situ* up to 100%** the materials coming from milling (reclaimed asphalt); the resulting mixtures are also compatible with colourings



**Iterlene**

ITERLENE ACF 1000 HP GREEN

# Production of asphalts at low temperatures

**WHAT ARE THEY?**

Added in low dosages to the asphalt mixture, they allow to work it and lay it **at temperatures which are about 20-30°C lower** than traditional hot-mix asphalt, without compromising the final performance

## SOLUTIONS FOR WARM MIXES

### ENVIRONMENTAL ADVANTAGES

Reduction of CO<sub>2</sub> emissions in the atmosphere

Reduction of the total energy used to heat the asphalt mixture

Mitigation of smells coming from hot bitumen and fumes

**WHAT ARE THEY USED FOR?**  
For all types of road



**Iterlow**

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# 100% recycled and coloured roads

**REJUVENATING SOLUTIONS**

**ENVIRONMENTAL ADVANTAGES**

- 100% recovery materials
- Zero emissions into the atmosphere
- Drastic reduction of emissions related to transport

**WHAT ARE THEY USED FOR?**

For low-traffic roads and cycle paths

**WHAT ARE THEY?**

Added in low doses to the asphalt mixture, they allow to **reclaim up to 100%** of the materials coming from milling (reclaimed asphalt), improving the final performances

**Iterlene**  
ITERLENE ACF 1000 HP GREEN

# silent roads

**SOUND ABSORBING SOLUTIONS**

**ENVIRONMENTAL ADVANTAGES**

- Reduction of noise emissions
- Use of **recycled materials** (rubber derived from end-of-life tires - ELT)

**WHAT ARE THEY USED FOR?**

For urban roads

**WHAT ARE THEY?**

Based on **recycled rubber powder**, when added to the asphalt mixture, they **mitigate the acoustic noise** caused by the rolling of tires on the road surface

**Ittersilens**

#circularrevolution



**LEGAMBIENTE**



*It may be surprising to know that even in the construction of roads it is possible to adopt behaviours and materials specifically designed to minimize the environmental impact.*

**Itechimica** and **Legambiente** collaborate, the first one in the development of new products and solutions, the other one in enhancing all those experiences that generate new products from waste, with a perspective focused on circular economy where everything regenerates and nothing is destroyed, as it occurs in nature.



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