

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 crumb rubber 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-traffic 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%** of 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 CO₂ 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** (crumb rubber derived from end-of-life tires - ELT)

WHAT ARE THEY USED FOR?
For urban roads

WHAT ARE THEY?
Based on **recycled crumb rubber**, 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.



LEGAMBIENTE

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