

NEOTECH ASPHALT ADOPTS RARx TECHNOLOGY IN MEXICO TO PAVE ROADS BY RECYCLING RUBBER DUST FROM USED TIRES

Faced with the urgent need to implement measures to address climate change and reuse waste tires, [Neotech Asphalt Company adopts in Mexico the RARx, innovative technology created in Spain to incorporate ground rubber from used tires into asphalt mixtures](#), which is being applied to important projects in different states of Mexico.

Roads have been built with tire crumb for over 20 years in Spain, and to date more than 1,600 km of road have been built, which demonstrates the great development experienced by Spanish technology in this field.

Thanks to the Pirámides - Tulancingo - Pachuca Highway project, executed by the Spanish multinational company Sacyr and the company Neotech Asphalt, leader in Circular Economy, RARx has positioned itself in Mexico as an additive with NFVU (End-of-Life Tyres) crumb useful for the construction of sustainable roads.

[Neotech Asphalt is Mexico's innovative national Company](#) that was born from the need to build better roads and highways that connect and allow millions of people to reach their destination, using and developing solutions that have a lower environmental impact. Its purpose is focused on developing innovative and value-added solutions that generate savings and improve the cost-benefit ratio, according to the needs of users.

The use of RARx on the Pirámides-Tulancingo-Pachuca highway, carried out in 2018, ensured relevant results in terms of compliance indicators. Since this work, Neotech Asphalt has executed other works such as the runway at the Tijuana airport, taxiways at the Guadalajara airport, and the Moreila ring road.

They have also decided to install the Neotech Green Plant, the first in Mexico to recycle tires to build roads, and acquired the patent to produce the RARx product.

The Neotech Green Plant's installed capacity for RARx production is 7,000 tons per year, equivalent to recycling 600,000 tires. In its second phase, the plant will produce 18,000 tons of RARx per year, equivalent to recycling 2 million tires.

RARx is a high-tech product manufactured from 60% End-of-Life Tire crumb, pre-treated with asphalt and other mineral-derived additives. RARx represents an evolution of existing technologies for incorporating rubber crumb into asphalt mixes. The Neotech Asphalt website summarises the advantages of using RARx:



Technical advantages

- Greater durability and useful life of the mixtures.
- Better behavior against reflection and crack propagation.
- Better resistance to fatigue.
- High flexibility, with no plastic deformations due to the use of a final mastic with a high softening point and high viscosity

Economic advantages

- Cost savings due to the design of thinner reinforcement layers.
- Decreased road maintenance costs due to the greater durability of the rubber-based asphalt mixture.

Environmental and social advantages:

- Low noise (noise-reducing pavements) compared to other types of mixtures, which means an increase in the quality of life in the surroundings of the street or road paved with RARx.
- Reduction in the quantity of raw materials needed to manufacture the mixture (aggregates, asphalt, fuels, transport, compaction, etc.), by being able to size thinner reinforcement layers.
- Maximum use of rubber dust

Neotech Asphalt has successfully executed the following projects in Mexico using the RARx product:

- Pirámides Tulancingo Highway, the first highway built in Mexico with RARx. In 2018
- Avenida Acueducto. Zapopan, Jalisco. First municipality in Mexico to use this technology. In 2020
- Taxiways. Guadalajara Airport. In 2020.
- Periférico Morelia. In 2021
- Michoacán Highways. Pátzcuaro – Uruapan section. In 2021
- Mexico – Tuxpan Highway. Necaxa-Tihuatlan section. In 2021-2022
- Landing Strip. Tijuana Airport. In 2022.

[The Neotech Asphalt website presents all the information](#) that can motivate other actors to adopt the RARx technology for road paving, bringing great benefits to the environment and to citizens. In Mexico, as in all industrialized countries, millions of tires are discarded every year, and are abandoned in vacant lots, rivers or ravines, multiplying the pollution in soil, water and air. The Neotech Asphalt initiative is part of circular economy strategies and makes a great contribution to solving a major environmental problem while providing concrete benefits to the population for sustainable viability.

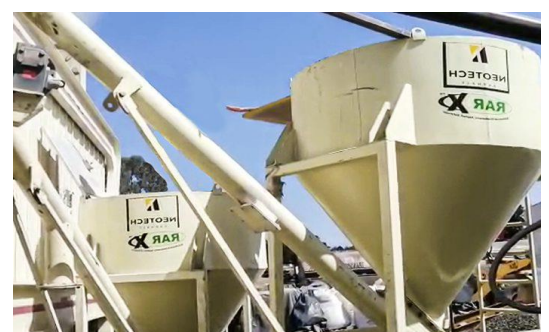
[CIRTEC, the Spanish Company that produced the RARx](#), markets the product in Spain and is in the process of expanding to other countries, sparking the interest expressed in Latin America by countries such as Argentina, Chile, Uruguay, Paraguay and Bolivia.

To know more

[Neotechasphalt.mx sitio web](http://Neotechasphalt.mx)

[Neotechasphalt Planta RARx](#)

[Neotech Asphalt en Instagram.com](#)



[Articulo en vise.com.mx](http://vise.com.mx)

[Articulo en el Blog de Signus.es](http://elBlog.deSignus.es)

[Articulo en Sacyr.com](http://Sacyr.com)

[Articulo en Sacyr.com](http://Sacyr.com)

[CIRTEC Obras ejecutadas](#)

