

# Garbage Roads

When you see a Dump Waste, you see this:



But Tryger Ltd. see this:



Since 2014 Tryger Ltda. has been working with the National Roadways Laboratory of the Public Works Ministry in order to use Drux. It is a byproduct coming from waste industrial treatment, developed and patented by this Company, whose aim is to replace rock dust in asphalt blends.

The results of the tests are the following:



According to the foregoing, for a highway road pavement with the following dimensions:

- 2 lanes, 7 meters wide
- 6 cm. thick
- 1 km long

For 1 km of road pavement it is necessary to use 420 cubic meters of hot asphalt blend, whose weight is 630 tons. According to studies in asphalt blend, 10% of processed garbage is accepted as a maximum (Drux, up to 60% of organic matter, see picture 3) without altering its mechanical properties. Then 63 ton of processed garbage are necessary per each km of road pavement on a 2-lane highway.

63 ton. of garbage is littered by a city with 50,000 inhabitants, on a daily basis (1.2 kg/person/day).

Conclusion, only 1 km of road pavement absorbs, all the garbage produced by a population of 50,000 inhabitants, on a daily basis.