

**TL-2000**

ASPHALT PAVEMENT REJUVENATOR

HALIK VENTURES LTD - [WWW.HALIK.BIZ](http://WWW.HALIK.BIZ)



# THE PROBLEM

Road maintenance costs worldwide surpass US\$ 25 billion a year in the US alone.

Much of the cost is due to premature deterioration of pavements caused by moisture, UV rays and oxidations.

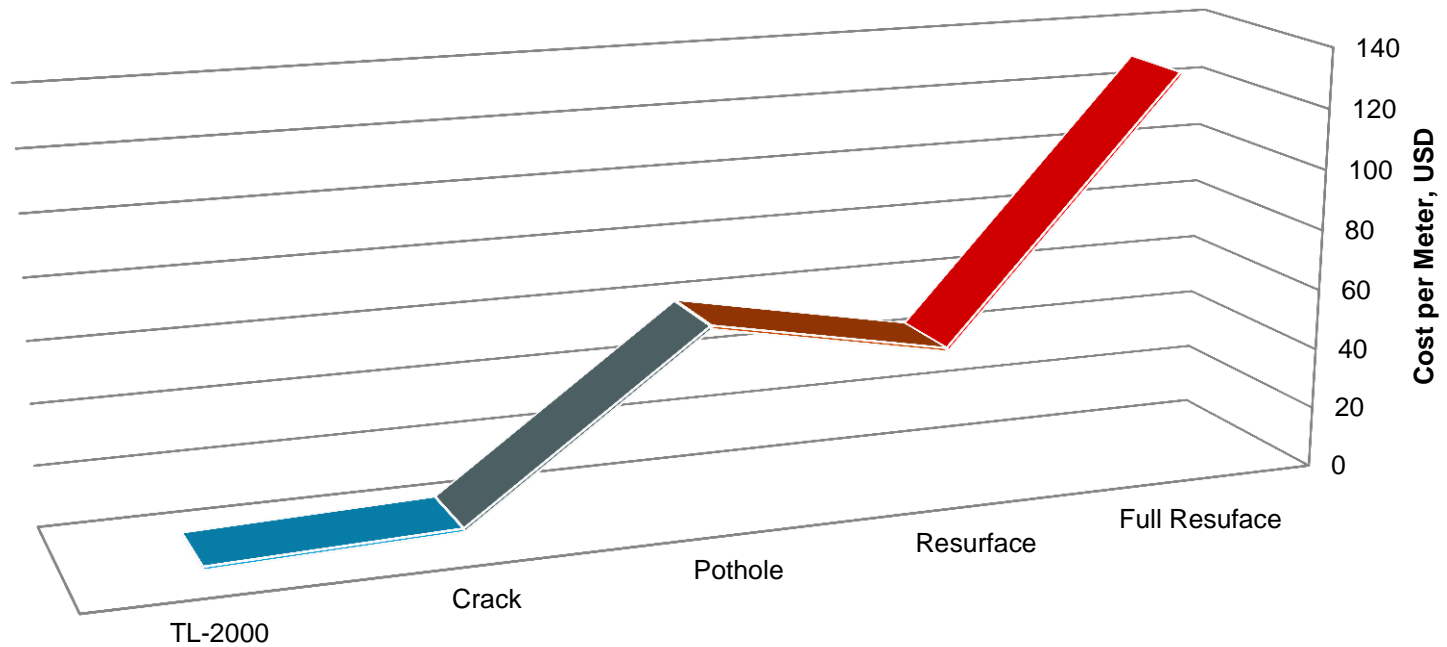


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# ROAD REPAIR COST STRUCTURE

If road defects remain untreated, (conventional) repair costs rise over time



# TL-2000

**TL-2000 is a unique, patented, single-component black liquid micro-bitumen polymer compound which can extend the service life of roads by 8-10 years.**

1996 South Africa road project, pictures taken 2008



# WHAT DOES IT DO?

- Prevents water from penetrating the bulk
- Protects from UV rays, acids and oxidation
- Rejuvenates road binder using patented HALIK technology
- Seals small cracks
- Can improve friction
- Extends service life

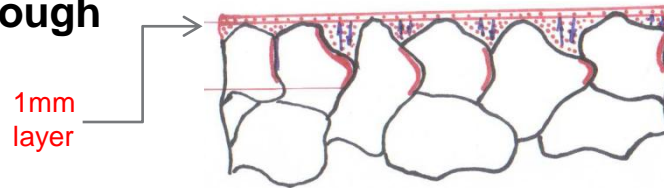


No TL-2000

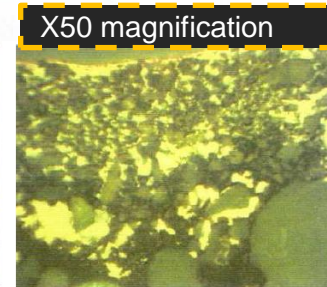
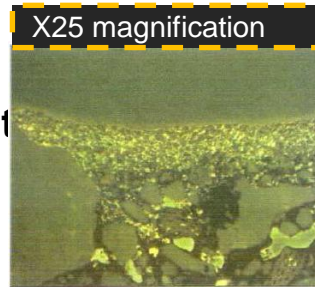
TL-2000  
Coating

# HOW DOES IT DO?

- A thin layer of TL-2000 is enough to activate the reaction

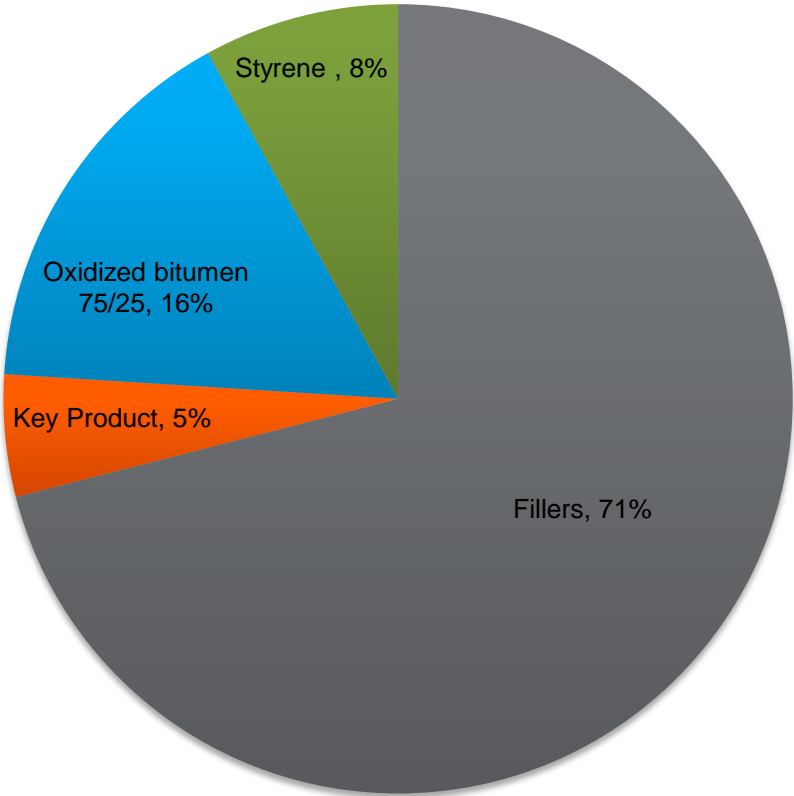


- The material penetrates the asphalt bulk, rejuvenating it elastic and plastic properties



<b>Specific gravity</b>	<b>1.6</b>
<b>Flash point</b>	<b>85°C</b>
<b>Accelerated weathering (ASTM G-53)</b>	<b>1300Hr/No effect</b>
<b>Alkaline substances, Salt solutions Sulphuric Acid (40%), Nitric Acid (25%), Acetic Acid (70%), Hydrochloric Acid (30%), Phosphoric Acid (80%)</b>	<b>No effect</b>

# WHAT'S IN TL-2000



# APPLICATION

**TL-2000 can be applied manually or automatically**



- **Cold applied**
- **No special surface preparation**
- **Rapid curing (road can be opened for traffic after ~40 min)**

# MODIFICATIONS & OTHER APPLICATIONS

Tin/ Iron coating



Color modifications



TL-2000 for soil pavement reinforcement

