



# Komobility

SUSTAINABLE ROAD SOLUTIONS

## It's time to sunscreen our roads

### Superior material science provides sustainable solutions for road maintenance

We protect our skin against skin cancer caused by the sun. We do not wait for an operation to treat it. Yet, this is precisely what we do with our roads. We let the roads deteriorate until fixing and complete resurfacing are needed. It is time to change methods by applying new solutions!



Proven Globally – NOW in Australia





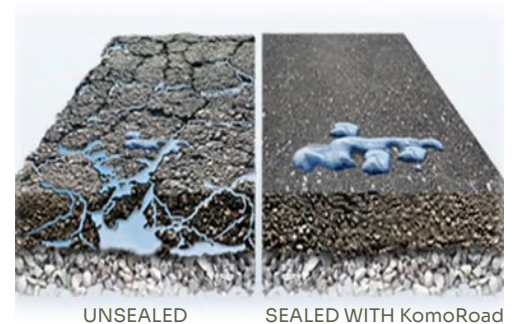


# KomoRoad (TL2000)

KomoRoad (TL-2000) is a unique, single component black polymeric bitumen compound which seals and prevents the oxidation of asphalt surfaces. This patented formulation prevents the breakdown of asphalt surfaces and microscopic cracks. The penetrating and sealing characteristics prevent water penetration, erosion and deterioration.

## USES OF KomoRoad

- Roadways
- Bus Lanes, Bicycle Lanes
- Airports, Runways
- Driveways
- Garages
- Parking Areas
- Parks
- Recreation
- Bridges



## MATERIAL APPLICATION

- Can be applied by trucks, manual spray, or manually
- Applied cold
- No special surface preparation
- Easily transported and stored in IBC and drums

## THE BENEFITS

- Prevents oxidation and reduce asphalt deterioration
- Waterproof – prevents penetration of water
- Durable – service life prolonged by 5-7 years
- Usability – dry to touch in less than an hour, curing in 2 hours
- Resistance – chemicals, salts, acids, ultraviolet rays
- Variety of Colours
- Sustainability – use of significant recycled materials

## PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE	Black viscous liquid with mild characteristic odor.
FLASH POINT	85 °C - 150 °C . adjustable (ASTM D93).
SPECIFIC GRAVITY	1.6 (Water = 1).
VAPOR DENSITY	Heavier than air.
VISCOSITY	About 3800 cPi.
SOLUBILITY	Insoluble in water.

# KomoFix (Cold Asphalt)

KomoFix is a unique, single component black polymeric bitumen compound that is intended to be mixed with Reclaimed Asphalt Pavement (RAP) in order to create a multi-purpose cold mix asphalt. Cold asphalt is transforming road construction with a safer, simpler, and more efficient solution for urban streets. Unlike traditional hot asphalt, cold asphalt doesn't require heating, reducing environmental impact and minimising the risk of accidents.

## USES OF KomoFix

- Pothole Repairs
- Patches and Overlays
- Edge Repairs
- New Roads
- Utility Cuts
- Manhole & Water Valve Surrounds
- Corrugation
- Micro Trenching

## THE BENEFITS

- Applied Cold
- Permanent Repair
- Road Opens Minutes After Repair / Application
- Stored for Months and Transportable
- Improves Safety and Traffic Stress
- Cost Effective, Less Machinery and Labour
- Works in any Weather Conditions (rain, water in pothole, floods)
- No Traffic Interruption – immediately open for traffic



### VISUAL INSPECTION

#### PHYSICAL STATE AND APPEARANCE

Black Sticky Rocks

#### ODOR

Bituminous

### CHEMICAL / PHYSICAL PROPERTIES

#### AIR VOIDS W/GYRATORY COMPACTOR

(ASTM D-3203)

maximum 7%

#### STABILITY W/GYRATORY COMPACTOR

(ASTM D-6927)

minimum 7.5kN

#### DENSITY

(ASTM D2041)

minimum 2.2 ton/m3



# Sustainability at the core of our product design



- All materials are applied cold, reducing CO2 emission
- Recycled materials a significant part of the product
- Faster repairs and less stress on roads
- Reduction in energy consumption of heated trucks
- Stored prepared for long periods, easily transportable
- Safer to apply and work with

## PATENTED GLOBALLY AND RECOGNISED

- Products are patented by Halik Ltd worldwide: Europe, US, Japan, Mexico, Israel, South Africa and Canada
- Tested by the most rigorous testing labs globally
- All products have Harmony number established in the European Union and are accepted in Australia



## USE CASES AND CERTIFICATIONS

- High Profile Users: LAX Airport, US State Municipalities, European Cities, Asia, Latin America
- In Australia: LGP Approved Contractor, Transport NSW Trial Certification, Councils, Mining, Commercial Use and Sydney Airport
- International Standards - ISO, Australian MSDS
- Applied Globally in Airports, Municipalities and Councils, Commercial, Mining and Compacted Soil

## KomoFix - Transport NSW Preferred Product



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