



FEB 28 2025
HERCBASE

Presented by Mike Dueck



IMPROVING YOUR ROADS, PARKING AREAS, AND MORE



HERCBASE



WHAT IS HERCBASE?

HERCBASE™ is a unique cement additive system that is designed specifically to eliminate and reduce common issues associated with roadways and lots such as **frost boils, soft spots, and regular maintenance.**

COMMON PROBLEMS

- **FROST BOILS**

FREEZE/THAW CYCLES CAUSE FROST BOILS, WHICH WEAKEN ROAD SURFACES AND CAUSE DANGEROUS RUTS



- **SOFT SPOTS**

UNEVEN SATURATION CAUSES WATERLOGGED AREAS, UNEVEN SURFACES, AND DISRUPTIVE MUD



- **EXPENSIVE MAINTENANCE**

FREQUENT REPAIRS TAKE UP VALUABLE BUDGET RESOURCES AND TIE UP WORK CREWS



- **DETERIORATION**

IMPROPER DRAINAGE ACCELERATES EROSION and CAN CAUSE WASHOUTS



OUR SOLUTIONS

- **FROST BOILS**

We prevent frost boils by reinforcing the road structure, increasing stability year-round

- **SOFT SPOTS**

Our technology strengthens gravel, reducing softness and ensuring the surface is smooth + durable

- **EXPENSIVE MAINTENANCE**

The Hercbase solution increases in strength over time, preventing the need for annual repairs

- **DETERIORATION**

Fixing these issues slams the brakes on erosion, dramatically extending the lifespan of your roads and lots





HOW DOES IT WORK?

By mixing Herbase with a cementitious mixture, it produces a liquid slurry that coats the aggregate, allowing for accurate distribution, as well as consistently optimal density and moisture.



During the pulverization process, the mixture chemically deactivates and rapidly begins to set, preventing leaching issues commonly associated with other cementitious solutions, and reaching a fully drivable state within 24-hours.



WHAT IS THE PROCESS?

HERCBASE™ is mixed in our mobile plant, then transferred to the application wagon, before being set into the soil by precise injection. A pulverizer mixes it with the soil, before it is compacted to the desired level. A grader then blades the compacted soil, as a steel drum roller follows behind to finish the process.





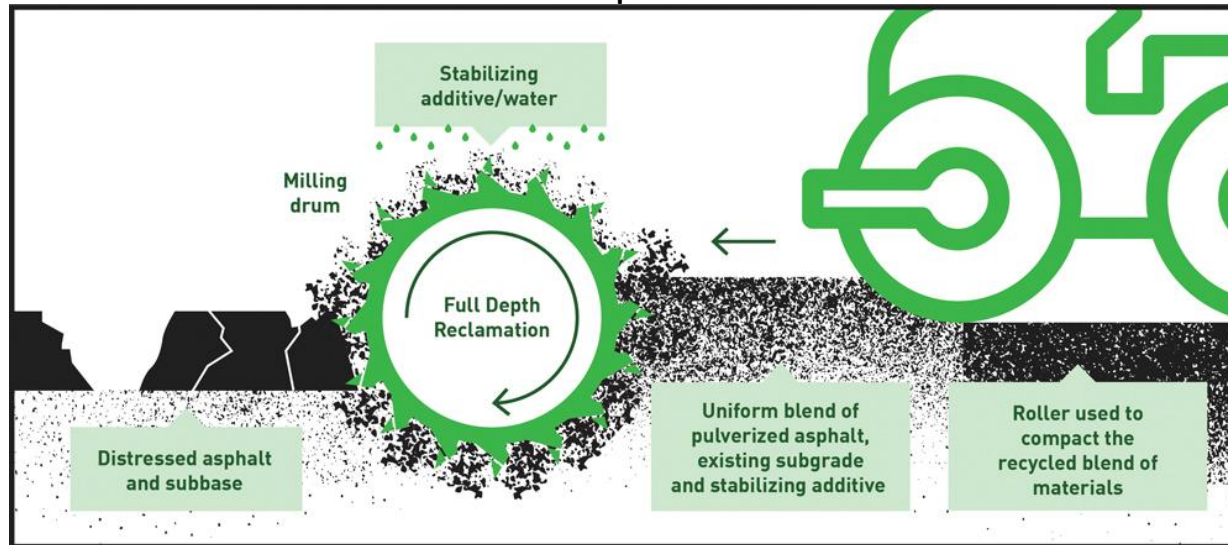
WHY HERCBASE?

- Environmentally friendly construction process which is not harmful to workers or bystanders due to dust and waste reductions (water, fuel, traffic, etc.)
 - Saves approximately 90 metric tonnes of CO₂ per 1 KM of road
- Achieves more efficient use of the cement powder, faster project completion time, and is drivable within 24-hours
- The liquid injection method allows for application even on wet and windy days
- Hercbase is a Manitoba Infrastructure approved product
- Cost efficient by reducing or eliminating fill materials and hauling



HERCBASE APPLICATIONS?

In Place Full Depth Reclamation



Gravel Road/Lot Remediation



New Road/Lot Build Projects





TRIPLE E CANADA LTD
ITS DIVISIONS AND ALL SUBSIDIARIES
301 Roblin Boulevard
Winkler, Manitoba, Canada R6W 4C4



February 2, 2019

M.D. of Provost
4504 - 53rd Avenue
Box 300
Provost, Alberta T0B 3S0

Provost Administration,

I am writing this letter to recommend the services of Hercbase Soil Stabilization.

Our group of companies secured the services of Hercbase on three projects in the Winkler area.

The first project was a Triple E parking lot remediation that was plagued with frost boils.
The second project was to repair a soft access road on one of our properties.
The third and largest project was a preventive measure in the truck load out area of our new Lode King manufacturing facility.

We are happy with the results of the Hercbase treatments. The Hercbase team performed the requested services on time and with no operational issues.

Therefore, I am pleased to recommend the services of Hercbase. Please contact me if you have any questions.

Best Regards,

James Elias
Vice President
Triple E Canada. / Lode King Ind.
135 Canada Street
Winkler Mb, R6W 3N4



February 1, 2019

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To whom it may concern,

The RM of Stanley has used the services of Hercbase on two occasions; once in 2017 and once in 2018. The 2017 work was a frost boil remediation project on a small section of road in the municipality of Reinfeld, MB. The RM again used Hercbase in 2018 on a 5 km project in Schanzenfeld, MB.

Upon completion of the 2018 work Hercbase provided the RM with a comprehensive report that included pre-job, day by day treatment information and post job data analysis.

If you have any questions these projects, please feel free to contact me.

Sincerely,

Ken Thiessen