

## TECHNICAL DATA SHEET

# RoadMaster

USA PATENTED TECHNOLOGY  
POLYMER-BASED SOIL STABILIZER

RoadMaster is a patented long-string cross-linking copolymer soil stabilizer formulated to provide significant improvement in the load bearing capabilities and tensile strength of most kinds of soils.

RoadMaster1 XL, (RM1-XL), is used to stabilize the road or road-base. RM1-XL or HiPower can be used to surface seal the stabilized road or road-base.

### PRODUCTION:

AggreBind Inc. produces its line of products with Production Partners in the USA, India and Brazil.

### USES:

- ❖ Base stabilization for primary roads.
- ❖ Stabilization for rural roads.
- ❖ Pothole and road repair.
- ❖ Additive for concrete.
- ❖ Irrigation channels.
- ❖ Asphalt recycling.

### ADVANTAGES:

- ❖ Water miscible prior to curing.
- ❖ Can be mixed with salt water at 4% salt content or less.
- ❖ Used with most in-situ materials.
- ❖ Non-hazardous, Non-toxic, Non-flammable, Non-corrosive, non-explosive.
- ❖ Safe to the environment, flora, and fauna.
- ❖ Complies with EPA requirements.
- ❖ Being applied properly will comply with the requirements of AASHTO standards for soil stabilization.
- ❖ Proven increments in load bearing capacity; increase of 400% to 600% in CBR.
- ❖ Excellent adherence to other wearing surfaces.
- ❖ Optional, traceability after installation.



## PROPERTIES:

These are general guidelines:  
The specific Properties may vary  
depending on point of manufacture.

Type: Water-based polymer  
Appearance: White liquid  
Solid content:  $50 \pm 1\%$  /  $42 \pm 1\%$   
Specific Gravity:  $1.05 \pm 0.01$   
pH: 7.0 - 9.0  
Viscosity: 6,000 mPas



## INSTALLATION

Ideal conditions require a 35% fines content passing through a No. 200 sieve with no aggregates greater than 20% of depth being stabilized. Scarify to the proper depth depending on the load bearing requirement:

### Depth weight

150mm 40 TN  
200mm 80 TN  
250mm (2 layers of 125mm  
each) 200 TN  
300mm (2 layers of 150mm  
each) 700+ TN

- ❖ Base stabilization for primary roads.
- ❖ Stabilization for rural roads.
- ❖ Pothole and road repair.
- ❖ Additive for concrete.
- ❖ Irrigation channels.
- ❖ Asphalt recycling.



## DOSES

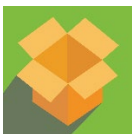
Typically, 4 liters of RoadMaster per cubic meter, depending on the granulometric analysis report.

Perform proctor test or manual assessment to establish the moisture content needed for OMC.



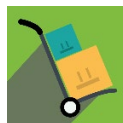
## SERVICE TEMPERATURE

Service temperature after full curing:  $-57^{\circ}\text{C}$  to  $+163^{\circ}\text{C}$ .



## SUPPLY AND PACKAGING

RoadMaster can be supplied in 205L or 230L drums, 1000L IBC's or bulk tankers.



## STORAGE AND SHELF LIFE

RoadMaster has a shelf life of 12 months if stored in shaded area at a temperature of  $4^{\circ}\text{C}$  to  $40^{\circ}\text{C}$ .