



# AggreBind® RM1

*State-of-the-Art Polymer-based Soil Stabilizer*

## DESCRIPTION

AggreBind RM1 is a patented Styrene-acrylic polymer-based soil stabilizer formulated to provide significant improvement in the load bearing capabilities and tensile strength of most kinds of soils.

## PROPERTIES

Type:	Water-based polymer
Appearance:	White liquid
Solid content:	50 ± 1 %
Specific Gravity:	1.05 ± 0.01
pH:	2.5
Viscosity:	- < 800cps

## 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.



## INSTALLATION REQUIREMENTS

- 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:

<b><i>Depth</i></b>	<b><i>Weight</i></b>
150mm	40 TN
200mm	80 TN
250mm (2 layers of 125mm each)	200 TN
300mm (2 layers of 150mm each)	700+ TN

- Mix thoroughly.
- Calculate OMC thru proctor test/moisture tester or by hand test instructions.
- Add AggreBind AGB/Water mix to the soil.
- Mix thoroughly.
- Grade.
- Compact.
- Top Seal.

### **DOSES**

- 4-5 liters of AggreBind RM1 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°C to 163°C.

### **SUPPLY AND PACKAGING**

AggreBind RM1 can be supplied in 230L drums, 1000L Totes / IBCs.

### **STORAGE AND SHELF LIFE**

AggreBind RM1 has a shelf-life of 12 months if stored in shaded area at a temperature of 4°C to 40°C.

Ref.: AGB1/05/13



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