

## TECHNICAL DATA SHEET – ReGenX™ (Emulsion Concentrate)

### DESCRIPTION

Blacklidge's ReGenX™ is the most state-of-the-art regenerating emulsion available for high-performing surface treatment applications. ReGenX™ upgrades the pavement or surface treatment binder by re-balancing the asphalt's chemical makeup and particle size distribution thereby significantly reversing the adverse effects of aging. It may also be used in high-RAP cold mixture applications. In many cases, it is possible to use ReGenX™ to extend the useful life of the pavement surface or existing surface treatment in lieu of more expensive treatments or rehabilitation alternatives.

### PHYSICAL PROPERTIES

- Flowability: Liquid at ambient temperature
- Specific Gravity (H<sub>2</sub>O = 1.00): 0.97
- Solubility in Water: Dispersible
- Appearance and Odor: Light Brown Liquid with Mild Odor

### SPECIFICATION

PARAMETER	TEST METHOD	MIN	MAX
<b>Emulsion Properties (Concentrate)</b>			
Viscosity, SFS @ 25°C	T 72	20	100
Settlement Test, 5 day, %	T 59	----	1.0
Residue, %	T 59	58	----
<b>Tests on Residue from Distillation</b>			
Colloidal Index (CI) = $((NA+PA)/(S+A))^{(1)}$	D 4124	7.0	----

(1) A = Asphaltenes; NA = Naphthene Aromatics; PA = Polar Aromatics; S = Saturates

### LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to freeze or boil because of aggressive heating. Freezing or boiling of ReGenX™ will break the emulsion. It is recommended that all equipment should be thoroughly cleaned if asphalt emulsion was previously present. Although some cross-contamination is permissible (<1%), blending of ReGenX™ and asphalt emulsions will potentially alter the stability of ReGenX™. Product may be applied at ambient temperature (50°F to 150°F). ReGenX™ is applied with conventional distributors, spray wands, directly mixed (cold mix applications), etc. Application rates vary depending on the existing surface, so please consult applicable agency specifications to determine required application rate. Typically these rates are between 0.05 and 0.20 gallons per square yard. If the product is to be stored for an extended period of time, the material should be agitated and/or gently circulated prior to use. Product shall be diluted prior to use. Recommended dilution rate is 2 parts water to 1 part concentrate. Please contact your Blacklidge representative prior to first use for detailed storage and handling procedures.

### CAUTION

For industrial use only. Refer to SDS for further information.

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS.

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