

# CRF

## Restorative Seal - Crack Filler



## *Single Product for Dual Application*

**CRF<sup>®</sup> emulsion diluted with water is used as a Restorative Seal.  
Undiluted with water, the concentrate emulsion is used as a cold pour crackfiller.**

**CRF<sup>®</sup> Restorative Seal...** is applied to pavements that exhibit more moderate deterioration such as increased ravelling, loss of aggregate, brittleness, past the point where Reclamite<sup>®</sup>, our maltene based rejuvenator would be beneficial. CRF<sup>®</sup> Restorative Seal remains flexible and resilient to create a "seal in depth". CRF<sup>®</sup> is applied in conventional surface spray applications. Drag broom or scrub seal methods can be utilized to even out and work the emulsion/sand combination into the voids and cracks. CRF<sup>®</sup> Restorative Seal can provide an economical alternative to conventional wear course seals.

**CRF<sup>®</sup> Cold Pour Crackfiller...** economical, safe and easy cleanup. Applied as supplied, CRF<sup>®</sup> is an easy to use emulsion that remains resilient through climatic changes. CRF<sup>®</sup> is a stable, easy to store emulsion with a long shelf life. Its handling qualities provide many uses from crack filling and spray patching applications to use as a restorative rejuvenator with infrared patching equipment.

### **Advantages:**

- **Flexible Emulsion**
- **Long Storage Life**
- **Does not Require Heat**
- **Resilient**
- **Resists Oxidation**



PRODUCERS of GOLDEN BEAR PRESERVATION PRODUCTS

# CRF<sup>®</sup>... *single product, dual application.*



CRF<sup>®</sup> provides pavement rejuvenation as well as sealing the pavement surface, unlike standard asphalt emulsion that hardens and becomes brittle. CRF<sup>®</sup> was designed to be a corrective maintenance product that effectively repairs cracks as a "cold pour crack filler" in concentrated form and provides a pavement "restorative seal" when applied in diluted form.



**CRF<sup>®</sup> Restorative Seal** is a petroleum oil and water cationic emulsion. Unlike standard asphalt emulsion, CRF<sup>®</sup> does not harden or "dry out" Designed as a one component emulsion that effectively repairs cracks in concentrated form, CRF<sup>®</sup> provides a excellent pavement restorative seal when applied in diluted form.

CRF<sup>®</sup> Restorative Seal is a modern sand seal product. Sand penetrates the emulsion and adds additional binder strength. This sand/emulsion combination is kneaded by vehicular traffic to provide a long term seal.

CRF<sup>®</sup> Restorative Seal is superior to standard asphalt emulsions: CSS or SS emulsions. Lower in asphaltene with rejuvenator qualities, it is less receptive to oxidation. Not just designed to "coat" the surface aggregate, CRF<sup>®</sup> holds the sand added to it and the emulsion fills surface voids with a very flexible product.

## HOW DO YOU APPLY CRF<sup>®</sup> RESTORATIVE SEAL?

CRF<sup>®</sup> Restorative Seal is diluted with water 2:1 (2 parts product to 1 part water) or 1:1. Typical cure time is 20 minutes to one hour with minimum ambient temperature of 10° C or 50°F and rising. Product stability is excellent. There is a simple procedure to determine the amount of CRF<sup>®</sup> Restorative Seal that a pavement can absorb by use of a test kit. The kit contains all the necessary materials and detailed instructions on test procedures to determine the quantity and rate of absorption.

There are several methods of application, which offer excellent results:

- **RESTORATIVE SEAL:** consists of distributor truck application at a predetermined rate of spread, allowed to cure and then sand is applied.
- **BROOM SEAL/ SCRUB SEAL:** application of a predetermined rate of spread by distributor truck, sand application after curing followed by a broom system to even out and work the sand into more of the open areas. With traffic's kneading action, CRF<sup>®</sup> will tighten up and seal the open areas.
- **SQUEEGEE SEAL:** is an excellent restorative seal method of initially filling open areas with CRF<sup>®</sup> by working the product into those areas with a rubber blade. A second application can be made, if required, after the first is allowed to cure. Sand and roll using a rubber-tired roller. This method will seal the surface; repair cracks and distressed sections at a low cost. **This application is also used for "high production" crack filling.**



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Your CRF<sup>®</sup> Distributor: