



Reclaimed from Recycled Rubber

SBR,SBS , Natural Rubber

Carbon Black

Anti Oxidants

Anti Ozonates

Improved Wear and Longer Life



SURFACE MAINTENANCE COATINGS

- ♦ PROVEN TECHNOLOGY
- ♦ DEVULCANIZED CRUMB RUBBER
- ♦ POLYMERIC AND PLASTOMERIC
- ♦ IMPROVED ASPHALT PROPERTIES
- ♦ CROSS LINKED RUBBER w/ASPHALT

EASILY APPLIED WITH CONVENTIONAL EQUIPMENT



SLURRY SEALS

- ◆ TYPE I, II and III
- ◆ ANIONIC, CQS OR PMCQS
- ◆ EASILY HAND WORKED
- ◆ REDUCED REFLECTIVE CRACKING
- ◆ HIGH SOFTENING POINT
- ◆ UP TO 35% TORSIONAL RECOVERY
- ◆ LOW PENETRATION

SEAL COAT EMULSIONS & FORMULA

- ◆ OPTIMAL DESIGNS FOR GEOGRAPHIC LOCATIONS
- ◆ HIGH PENETRATION FOR TOUGHSURFACES
- ◆ RELIANCE FROM CROSS LINKED POLYMERS
- ◆ HIGH SOLIDS AND AGGREGATE WEAR SURFACE LOADING
- ◆ ASPHALT RUBBER LASTS 2 1/2 TIMES LONGER



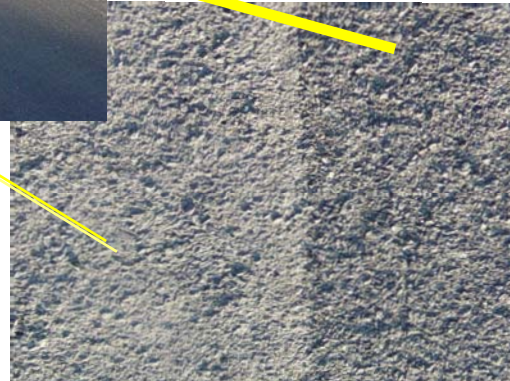
RUBBER ASPHALT EMULSIONS from CHEMICALLY DE-VULCANIZED CRUMB RUBBER contain:

- ◆ More than 4 times more carbon black.
- ◆ From 2.6% to 7.2% SBR and Natural Rubbers.
- ◆ Anti-Oxidants to reduce UV breakdown.
- ◆ Anti-Ozonates to reduce atmospheric deterioration.



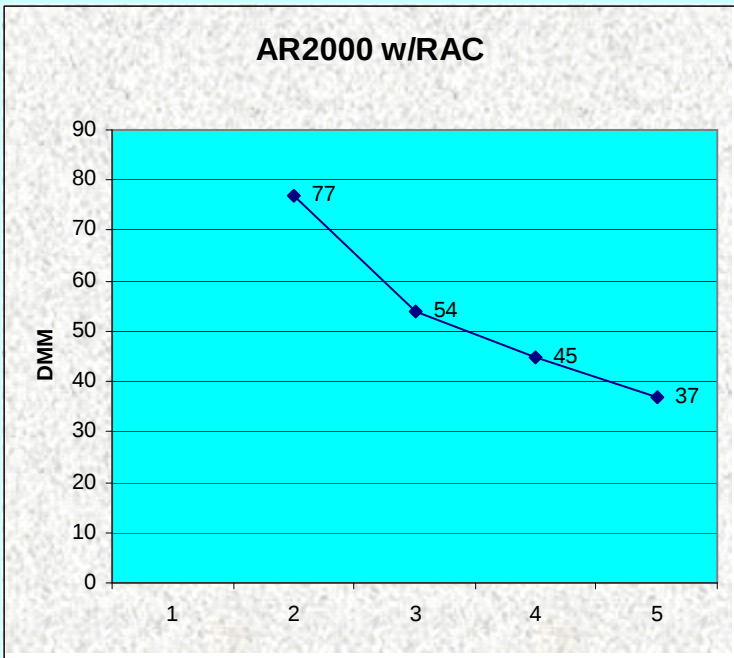
Conventional Slurry, Type I

Ram Slurry, Type 1



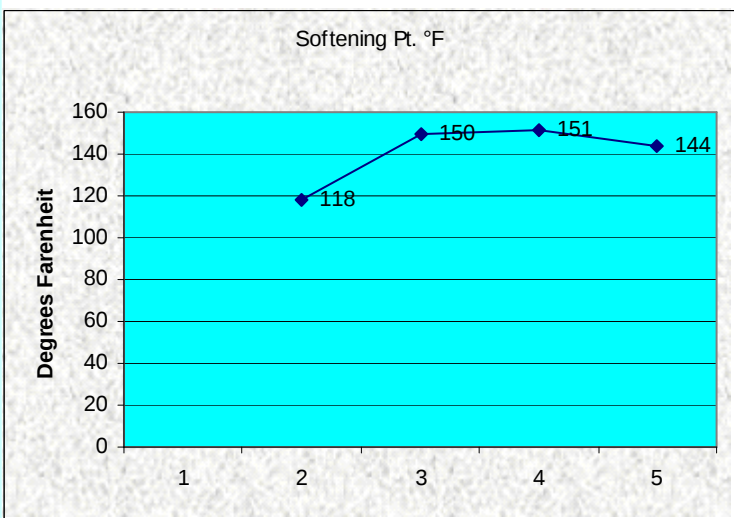
TYPICAL CQS SPECIFICATION RATINGS

CALTRANS SPECIFICATION 37-2.02a	YES
CALTRANS SPECIFICATION 94-1.04 TABLE 4-CQS1H	
VISCOSITY	YES
SIEVE	YES
RESIDUE (min)	YES
PENETRATION	YES
DUCTILITY	YES
SOLUBILITY	YES
Greenbook 600-3 (REAS)	
% TIRE RUBBER	YES



The graphs to the left illustrate the changes that are typical in the modification of a neat asphalt using the RAM process for devulcanizing and cross linking crumb rubber.

The penetration of the asphalt has gone from soft 77 dmm to a low 37 indicating a more than 2 fold increase in toughness.



The softening point of the asphalt has risen to a high of 160°F from the low of 118°F which will prevent tracking and deformation at higher temperatures.

The Torsional recovery of this same material rose from a low 4% to over 32%. This allows the asphalt to remain resilient and not crack at low temperatures.

Manufactured by: