



**GEOSYNTHETICS  
CHIP SEALS**

**Incorporating Paving Fabrics  
Into Chip Seal Programs**



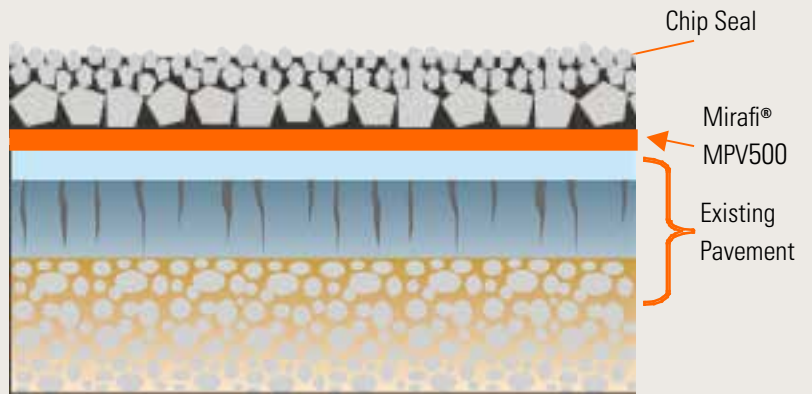
## TenCate Geosynthetics

TenCate develops and produces materials that function to increase performance, reduce costs and deliver measurable results by working with our customers to provide advanced solutions.

### Techniques for Making Roads Last

City, county and highway agencies face different challenges in applying pavement preservation treatments and establishing an effective preservation program. Preservation involves shifting from worst-first to optimum timing on selecting the right treatment for the right pavement at the right time. The use of chip seals with paving fabric has become a very effective process. Paving fabrics have been used in every climate and road condition imaginable.

Mirafi® MPV500 is a cost effective solution.



After 15 years, fabric continues to bridge the surface of the underlying crack and eliminate the need for crack sealing.

### Benefits

- Doubles the life of the chip seal
- Reduces the effects of thermal expansion & contraction
- Eliminates the need for future crack filling
- Provides a continuous moisture barrier
- Reduces flushing problems
- Improves chip retention



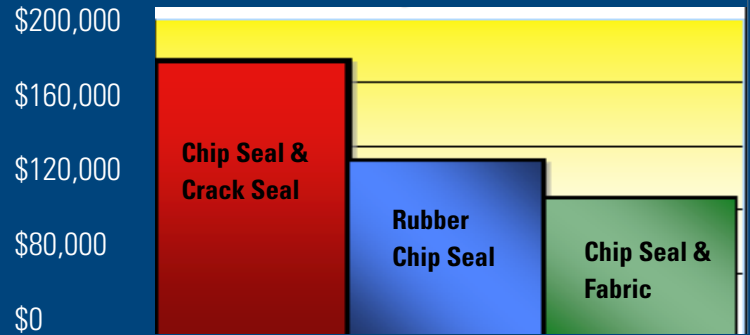
### 30-Year Life Cycle Cost Analysis of Constructed Products

San Diego County, CA evaluated their annual chip seal program and discovered they saved a total of \$87,000 per year using paving fabric and chip seal versus using crack filling and chip seal.

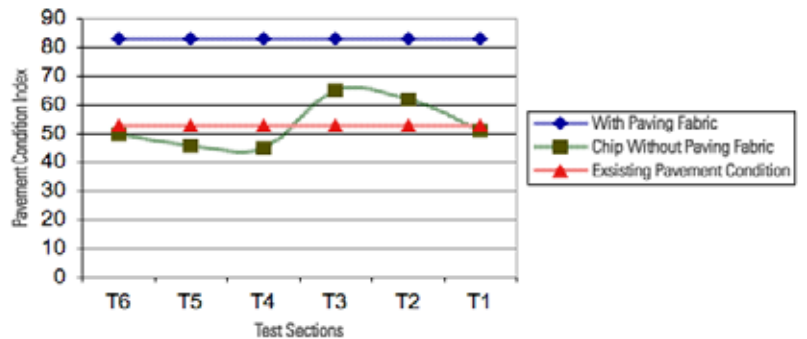
The Federal Highway Administration (FHWA) Resource Center conducted a research study on chip seals in 2004. The study showed sections with paving fabrics performed much better than controlled sections without paving fabric. (Pavement Management FHWA Resource Center)

Common practice for San Diego County was the use of single chip seal. With the use in combination of a paving fabric, performance was extended. Pavement life was doubled that of a single chip seal without a paving fabric.

### Annualized Chip Seal Cost Analysis



### Chip Seal Evaluation With & Without Paving Fabric Interlayer After 6 Years



### INCORPORATING MIRAFI® MPV500 INTO YOUR CHIP SEAL PROGRAM IS AS EASY AS 1-2-3



FILL MAJOR CRACKS



INSTALL FABRIC OVER LIQUID ASPHALT



PLACE CHIP SEAL

TenCate develops and produces materials that increase performance, reduce costs or enable people to achieve what was once unachievable. Our goal is to contribute significantly to progress in the industries in which we work.

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 **TENCATE**  
materials that make a difference