

# Cushion Coats for Recreational Surfaces

Using Interfibe FT & Interfibe FTP

## Application Note

### Introduction:

Asphalt Pavements that are used for sports and recreational purposes are often coated with specialty coatings prior to the application of the final color coats. These coatings, applied to a recommended cured thickness, are resilient and lessen player fatigue.

The cushion coat formulations typically include asphalt emulsions and polymer latexes compounded with reinforcing fibers, mineral fillers, and elastomers.

The reinforcing fibers contribute cohesive strength and bridging properties to the coating to absorb the stress applied to the surface.

Interfibe FT and Interfibe FTP have been thoroughly tested and have been found to attribute exceptional handling and performance properties to cushion coat formulations.

### Significant Issue:

As a non-hazardous alternative for asbestos, Interfibe FT or Interfibe FTP offer the formulator a cost effective fiber to reinforce and thicken cushion coat products.

### Customer Objective:

To accomplish the desired degree of resiliency, the cushion coat is applied in multiple coats (7 to 10). It is therefore essential that the product has:

1. Low shrinkage
2. Ease of application
3. (the amount of additional water must be kept at a minimum.)
4. Fast and thorough drying of each successive coat
5. Excellent adhesion with the pavement or with the preceding top coat.

***interfibe***<sup>TM</sup>

*For further information, call  
your local distributor or  
Interfibe Corporation.*

**Phone: (800) 262-3771**

**Fax: (216) 248-2132**

# Cushion Coats for Recreational Surfaces

Using Interfibe FT & Interfibe FTP

## Application Note

### SOLUTION

Interfibe FT and Interfibe FTP are the recommended grades in the cushion coat formulations. They provide the desired:

- Thixotrophy and leveling.
- Ease in handling without drag and sand balling in the wind row.
- Drying properties so the successive coats can be applied as scheduled.

Both grades are fine-length cellulose fibers with similar structures.

Interfibe FTP is surfactant pre-treated and is therefore recommended for low-shear mixing equipment.

Interfibe FT is recommended for high-shear mixing.

The recommended level in cushion coat formulations is 30-35 lbs. Per 100 gallons.

### SUGGESTED FORMULATION

#### CUSHION COAT FOR RECREATIONAL SURFACES

Raw Materials	Lbs.	Gallons
Water	249.90	30.00
Tamol 731-25	3.50	0.38
Triton CF-10	1.00	0.11
Igepal CO-610	1.50	0.16
Preservative (non-mercurial)	0.50	0.03
Nopco NDW	3.00	0.40
Natrosol 250 HR	1.75	0.15
Interfibe FT or Interfibe FTP	32.00	2.33
Asphalt Emulsion (SS-1H, 90 Pen)	318.50	35.00
Acrylic Emulsion (65% Solids)	105.00	12.00
Texanol	4.00	0.45
30 mesh Reclaimed Rubber	150.00	15.62
Sand, 40 mesh	250.00	11.30
<b>TOTALS</b>	<b>1,120.65</b>	<b>107.93</b>

### CONSTANTS:

Weight, lbs./gal.	10.38
Solids, % Weight	62.60
Solids, % Volume	52.60
Pigment Volume Conc.	51.90
Visc., KU @77 ± 2 degrees F	105-110

The data included represent typical product characteristics. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purposes. Unless otherwise agreed to in writing, we sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.