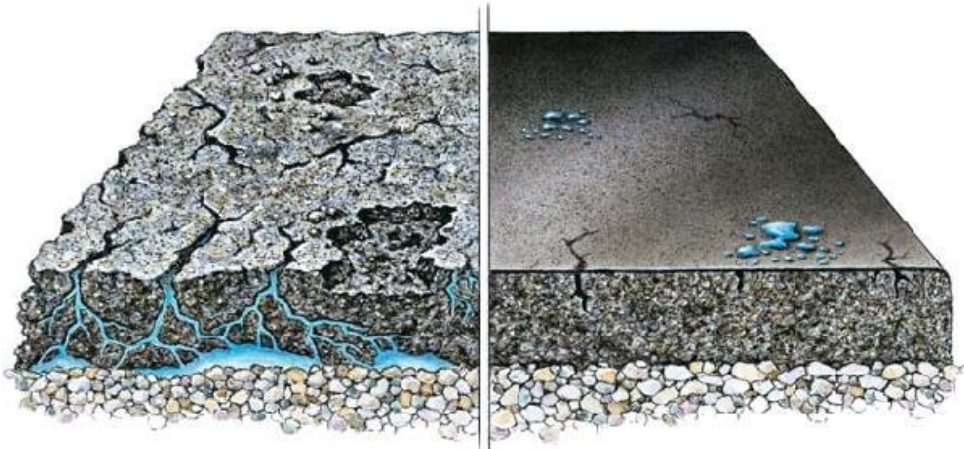




## **THE IMPORTANCE OF SEALCOATING ON ASPHALT SURFACES**



*UNTREATED SURFACE VS. TREATED SURFACE*

FOAR's sealcoat product line is essentially a heavy duty emulsion coating that contains refined coal tar, clays, fillers, and specialty chemicals. Our sealcoats are specifically designed to protect and preserve low or non-traffic bearing asphalt pavements (e.g. parking lots, petrol stations, airfields, etc).

### **The Truth About Asphalt**

Asphalt being a petroleum based (containing mostly aliphatic compounds) material easily deteriorates by ultra violet rays, gasoline, oils, fats, fuels, etc. Deterioration is even more rapid for off street pavements than traffic bearing pavements (e.g. roads, highways, streets, etc). This is due to the lack of kneading action of rolling traffic which adds life to such pavements. Ongoing rolling traffic brings up fresh layers of asphalt from within which keep the pavement flexible and functional.

Conversely, on low/no traffic surfaces the asphalt binder in the surface layers of pavements has to bear all the wear and tear due to weather and petrochemical spillage. These surfaces quickly degrade and lose all their binding properties which keeps the aggregates in the pavement together. With this progressive loss of asphalt binder the aggregates start raveling and cracks develop which increase in size and number. As a result water gets easy access and seepage into the base courses begins. This softens the aggregates and robs the strength of the pavement. Over time pavement integrity is lost.

### **Our Solution**

Refined coal tar being composed mostly of stable aromatic compounds resists all the destructive elements of weather and chemicals that rapidly degrade asphalt pavements. Applied on asphalt surfaces our sealcoats form a "barrier" between these destructive elements and the pavement itself. FOAR's sealcoating forms a tough, flexible, and durable coating and keep the pavement functional.

Sealcoat's value in extending the life of a pavement while minimizing maintenance costs in the long run is a well established fact. Sealcoating also enhances the appearance of pavements at minimal costs compared to the extensive repair and/or replacement of unprotected asphalt pavements.

Sealcoating has been used extensively to protect and preserve asphalt pavements for the last 50 years and is specified by many U.S federal and commercial agencies, including the FAA.

### **Coverage**

Sealcoating is generally applied in a two coat system. Consumption at the rate of 0.75-1.20 L/m<sup>2</sup> depending on the condition of surface.

### **Compliance**

FOAR's sealcoat product line is compliant with the applicable American Society for Testing and Materials (ASTM), U.S. Federal Aviation Administration (FAA), and Pakistan Civil Aviation Authority (CAA) standards and specifications.

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