

SAMIPHALT

Semi-Flexible Pavement

Samiphalt is a semi-flexible pavement system uniquely designed to have the advantages of asphalt & rigid concrete pavements. Most importantly, it can be opened to traffic within 4 to 8 hours after installation, which is very desirable for road construction and maintenance.

The Semi-Flexible Pavement

It consist of an open-graded asphalt concrete with a void of between 25% and 30% by volume (Marshall), flood filled with special formulated permeable high strength cement milk possessing high fluidity and internal cohesion. The properties are as follows:

Physical Properties	Typical Values
Compressive Strength @ 28 days (BS EN 12390-3)	7 MPa min
Flexural Strength @ 28 days (BS EN 12390-5)	3.5 MPa min
Skid Resistance (ASTM E 303-93)	55 BPN min

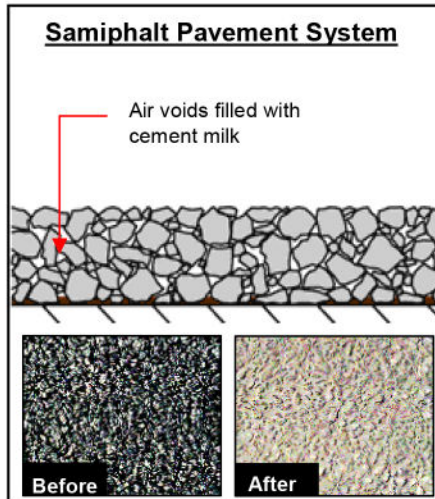
The Permeable High Strength Cement Milk

It consists of high strength mortar with dense packing of cementitious inorganic material and shall be mixed with water to form a free flowing mortar having a high internal cohesion. The properties are as follows:

Physical Properties	Typical Values
Compressive Strength @ 28 days (BS EN 12190:1999)	40 MPa min
Flexural Strength @ 28 days (BS EN 196-1:1995)	6 MPa min
Flow Value (By P-funnel)	10 – 14 sec

Advantages

- Flexible & Provides High Bearing Capacity
- Able to Withstand High Static & Point Loading
- Excellent Wear Resistance
- High Rut Resistance & Permanent Deformation
- Resistant to Chemicals & Petroleum Products
- Resistance to Moisture Damage
- Good Skid Resistance
- No Joints Required
- Easier to Maintain & Fast Repair
- Quick Installation & Shorter Curing Time (Can be open to traffic within 4 – 8 hours)
- Wide Variety of colors (upon request)



Application

- Carparks / Driveways / Roundabouts
- Bus Stations & Bays
- Petrol Stations & Toll Gates
- Roads intersection / Junctions
- Airport Runways & Taxiways
- Container Terminal @ Sea Ports
- Areas with heavy traffic Loads



Singapore Changi Airport



Container Yard



Queensway



PSA, Singapore



Ang Mo Kio Ave 3



Jalan Jurong Kechil

MEGASTONE HOLDINGS PTE LTD

(A subsidiary of SAMWOH GROUP OF COMPANIES)

Samwoh Smart Hub 12 Kranji Way, Singapore 739454

Tel: 6365 2066

