



MAXSEAL[®]

ASPHALT

ONE-COMPONENT CEMENT-BASED GROUT MODIFIED WITH RESINS FOR FILLING OF POROUS ASPHALT PAVEMENTS

DESCRIPTION

MAXSEAL[®] ASPHALT is a prepared mortar composed of cement, mineral products, synthetic resins, and special additives, very fluid and ready to use when mixed only with water.

It is especially developed for filling of hot porous asphalt pavements and obtain a mixture of enhanced asphalt concrete layers with chemical, abrasion, and mechanical resistance highly improved.

APPLICATION FIELDS

- Filling of porous hot asphalt concrete mixtures in pavements of airports, bus-stations, parking, hangars, etc.

ADVANTAGES

- One-component product. Easy to place, either manually or with standard equipment for asphalt paving.
- Once set inside porous asphalt mixtures, a continuous, waterproof, high performance pavement is obtained, which combines the advantages of asphalt and concrete pavements, such as the occasional spillage of fuels and resistance to high pressure tire loads.

APPLICATION INSTRUCTIONS

Mixing

Mix with water at a rate of $0,3 \pm 0,02$ litres per kilogram of **MAXSEAL[®] ASPHALT**, (from 7 to 8 litres per 25 kg bag) either in a concrete mixer for small surfaces or continuously in a self-propelled machine provided with adequate dosage equipment and spreading squeegee.

Application

Once the porous asphalt mix is cold, the grout is placed on the surface and spread using a rubber squeegee. The penetration into the voids is achieved by passing over the application with a vibrating roller immediately after placement.

Application Conditions

The optimum setting time corresponds with a temperature range from 10 to 25°C. Do not apply with ambient or substrate temperatures below 5 °C and if lower temperatures or rainfall are expected during the following 24 hours.

Cleaning

Before **MAXSEAL[®] ASPHALT** sets, all tools and equipment should be cleaned immediately with water. Once it hardens, product can only be removed by mechanical means.

Curing

Curing of the pavement will be done by keeping the surface humid for at least 48 hours or increased up to 72 hours in case of hot weather (> 25°C) if necessary. A high-quality water-based curing agent such as **MAXCURE[®]** (Technical Bulletin No. 49) can also be used. Solvent-based curing agents are not recommended.

CONSUMPTION

The estimated consumption for **MAXSEAL[®] ASPHALT** varies from 1,3 to 1,6 kg of powder per square meter and centimetre of porous asphalt mix.

These figures may vary depending on substrate conditions and porosity. A preliminary test on-site will determine the consumption exactly.

IMPORTANT INDICATIONS

- Do not use solvent-based curing agents.
- For further information and other uses not specified in this Technical Bulletin consult our Technical Department.

PACKAGING

MAXSEAL® ASPHALT is supplied in 25 kg bags and 1.000 kg Big-Bags. It is available in standard grey colour.

STORAGE

Twelve months in its original unopened packaging. It must be stored in a dry and covered place, protected from freezing, and temperatures above 5°C.

TECHNICAL DATA

Characteristics* of asphalt pavements modified with MAXSEAL® ASPHALT	
Marshall stability, NLT-159 (kgf) Deformation, mm	1.100 2,9
Indirect traction, NLT-346, (kgf/cm ²)	0,094
Sliding resistance (NLT-175)	0,65
Water permeability (NLT-327)	Non permeable
Deformation speed, NLT-173, (µm/min) V _{45/30} - V _{90/75} - V _{120/105}	5,3 – 2,7 – 2,7
Fuel resistance (ASTM D-3320) Gasoline / Petrol Diesel-Oil SAE-10	High High High

* Measured after 28 days curing time

GUARANTEE

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