



# MAXSEAL<sup>®</sup>

## ASPHALT

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

#### DESCRIPTION

**MAXSEAL<sup>®</sup> 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, parkings, 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 0,4 – 0,5 litres per kilogram of **MAXSEAL<sup>®</sup> ASPHALT**, 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<sup>®</sup> 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<sup>®</sup>** (Technical Bulletin n°49) can also be used. Solvent-based curing agents are not recommended.

#### CONSUMPTION

The estimated consumption for **MAXSEAL<sup>®</sup> 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 <b>MAXSEAL® ASPHALT</b>	
Marshall stability, NLT-159 (kgf)	1.100
Deformation, mm	2,9
Indirect traction, NLT-346, (kgf/cm <sup>2</sup> )	0,094
Sliding resistance (NLT-175)	0,65
Water permeability (NLT-327)	Non permeable
Deformation speed, NLT-173, (µm/min) V <sub>45/30</sub> - V <sub>90/75</sub> - V <sub>120/105</sub>	5,3 – 2,7 – 2,7
Fuel resistance (ASTM D-3320)	
Gasoline / Petrol	High
Diesel-Oil	High
SAE-10	High

\* Measured after 28 days curing time

## GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®, S.A.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.



### DRIZORO, S.A.U.

C/ Primavera 50-52 Parque Industrial Las Monjas  
28850 TORREJÓN DE ARDOZ – MADRID (SPAIN)  
Tel. 91 676 66 76 - 91 677 61 75 Fax. 91 675 78 13  
e-mail: info@drizoro.com Web site: drizoro.com

ISO 9001  
ISO 14001

BUREAU VERITAS  
Certification

n° 6003176 / 6003176-MA



## SAFETY AND HEALTH

**MAXSEAL® ASPHALT** is non-toxic but it is an abrasive product. Protective rubber gloves and safety goggles must be used to mix and apply. In case of eye contact, rinse thoroughly with clean water for at least 15 min, but do not rub. In case of skin contact, wash affected areas with soap and water. If irritation continues, seek medical attention.

For further information, Safety Data Sheet of **MAXSEAL® ASPHALT** is available by request.

Disposal of the product and its empty packaging must be made by the final user and according to official regulations.