

## Ready to use Pavispeed cold bituminous mixture

### 1.1 Product sheet

#### PRODUCT DESCRIPTION

The cold bituminous mixture Pavispeed was born for an EASY, EFFICIENT, FAST use.

The mixture, composed by aggregates, road bitumen, and a specific additive mixed while still hot, boasts a continuous, distributed granulometry bending.

It is produced in an environment-friendly way and in full compliance with the safety needs of the professionals involved. It adheres as it is, without a prearranged anchoring layer, also on damp surfaces, or in case of rain and at low temperatures.

The mixture is instantly passable, and it is self-compacting under the action of traffic.

Its design mix was planned to allow for an extraordinary workability during the implementation, also after a long period of storage, and it is characterised by a longer period needed for hardening following the implementation.

Such characteristic aims to favour each phase of the professional's work, reducing the intervention times in critical contexts, such as temperatures below 0°C, rainy weather, holes overflowing with water, urgent interventions in urbanized systems with abundance of heavy or light uninterrupted vehicular traffic.

#### USES

The cold bituminous mixture does not substitute the traditional heat asphalt in the pavement. Instead, it represents an immediate and efficient response for all the local critical issues of the pavement itself. It allows the professionals to immediately proceed with the reinstatement of holes, depressions, excavations, failures and adjustments of the roadway.

#### INSTALLATION

Easy, needing a single worker provided with a shovel. It doesn't need a connection layer.

Cut the bag with the top of the shovel and spread the mixture on the damaged surface covering the carriageway, exceeding its height by approximately the 25 % of the depth of the hole. The ideal thickness of each layer is 5/6 cm.

In order to have the perfect results, where possible, please take the care of embedding Pavispeed in the chipped edges and cuts of the roads. In case of very deep holes, please proceed with a second layer.

It is not necessary to use a roller. Pavispeed will compact itself on its own because of the traffic. In the most difficult situations, following the compaction, it is advantageous to process the surface with sand, filler or concrete.

## **SAFETY**

Because of the cold installation it requires, Pavispeed does not present any specific health-related danger. The worker will take the care, and assume the full and complete responsibility, to evaluate the suitability of the product with the expected use and the provisions listed in the technical document. Also, the worker will be responsible of performing the installation correctly.

## **PACKAGING**

HDPE anti-UV 25 Kgs bags (D.Lgs. 81/08)

## **PALLET**

Protected by a transparent plastic film and a black cap. Size 100x120, Weight 1.500 Kg – N. 60 Bags

## **STORAGE**

Quality and characteristics of the materials remain unaltered for a long period of time, although it is recommended to use it within 6 months.

For a correct storage, it is advised to use an enclosed place.

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## 1.2 Data sheet

**AGGREGATES** Compliant with the requirements contained in the harmonised standards UNI EN 12620:2003, UNI EN 13043:2003

- Coarse aggregate > 4.6 mm composed of grit and stone chipping  
Quantity of the stone chippings > 70%
- Fine aggregate, fraction 0.075-4 mm composed of crashed sand  
E.S. > 60%
- Filler, fraction < 0.063, composed of rock dust

## BINDING AGENT

The bituminous binder is composed of traditional bitumen of the type 50/70 and/or 70/100 dmm

## ADDITIVE

Nontoxic flux completely free from tar oils

## AGGREGATES MIXTURE

The mixture complies with the limits listed below and the characteristics listed in the regulation EN 13108

SIEVE 1.4 Dmax	Percentages
8 mm	70-100
4 mm	40-80
2 mm	5-40
0.063 mm	0-5

## MANUFACTURING OF THE CONGLOMERATION

Heat production in suitable fixed intermittent plants that allow for the accurate and correct dry weight dosage of each specific component.

### 1.3 Safety data sheet

#### 1) Identification of the material/formulation and of the society/company

1.1) Identification of the product: PAVISPEED TECHNOLOGY

1.2) Use of the product: treatment of the critical issues in the carriageways such as holes, depressions, excavations, etc.

1.3) Identification of the company:

BRUMA srl

Via dei Geranei, 4

85042 Lagonegro (PZ)

T: 097323042 – 41852 fax: 0973 41970 E-mail: [info@brumasrl.com](mailto:info@brumasrl.com)

1.4) Emergency phone number: Policlinico Gemelli, Roma: 0630154972

#### 2) Identification of the risks

2.1) Categorization of the material or mixture:

The product does not require any manipulation, it is used as such at room temperature. No specific risk is identified in use.

2.1.1) The bituminous mixture is not categorised as dangerous based on the regulations contained in (CE) 1272/2008 (CLP) and subsequent amendments and modifications.

2.2) Label elements.

Danger pictogram signs: ---

Warnings: ---

Danger indication: ---

#### 3) Composition/information about the ingredients

3.1) Materials: ---

3.2) Mixtures:

The mixture is composed of selected inert materials and fluxed bitumen.

#### 4) First aid

4.1) Description of the first aid measures: at room temperature, the product is flexible.

Contact with the skin: in case of accidental contact with the skin, any trace of bitumen can be removed with vaseline oil or olive oil. Wash with plenty of lukewarm water and an appropriate detergent. Do not use petrol, kerosene or other solvents.

Contact with the eyes: remove the foreign body and wash the eye with plenty of fresh water.

**Ingestion:** drink as much water as possible. Consult a GP.

**Inhalation:** take the person outside in fresh air. Visit a GP.

4.2) Main symptoms and effects, both severe and delayed: see n. 11

4.3) Need to consult immediately an MD or specific treatment: unavailable information.

#### 5) Fire safety measures

##### 5.1) Extinguishing Agents:

Suitable Extinguishing Agents: carbon dioxide, foam, powder and nebulised water

Unsuitable Extinguishing Agents: none

##### 5.2) Risks deriving from the exposition to the material or mixture:

In case of fire, please do not inhale the products of combustion

5.3) Advice for the operators of the fire extinction: please adopt specific equipment for the fire safety personnel

#### 6) Accidental release measures

6.1) Personal protection: always operate with the usual basic anti-hardship equipment: gloves, safety shoes, high visibility clothes.

6.2) Environmental preventive measures: prevent the material from dispersing in the environment, in the drainage system or in the groundwaters.

##### 6.3) Methods and materials for the containment and decontamination

6.3.1) for the containment: in case of disuse, store in a safe place to avoid any damage to the packaging.

6.3.2) for the decontamination: in such case, collect the product. In case it is not usable anymore, please dispose in an authorised site. Waste code CER 17 03 02.

## 7) Manipulation and storage

7.1) Precautions for a safe manipulation: the product itself must be allocated and manipulated with a shovel. There is no direct contact with any part of the body.

7.1.1) Protection: it is always good practice to use gloves, not to drink and eat during the installation, not to clean hands with dirty clothes or use diesel fuel, petrol or kerosene.

Always clean your hands with detergent paste or soap and water after any type of contact.

7.1.2) Fire safety measures: avoid smoking and/or contact with flames.

7.2) Conditions for a safe storage, and possible incompatibility

Store in a dry place, far from heat sources. Store the product away from incompatible materials. Do not overlap pallets.

## 8) Personal safety and exposition control

8.1 Exposition maximum values: unavailable

8.2 Exposition control:

8.2.1 Comply with the safety measures in the manipulation of the product by using adequate and appropriate materials and equipment, and at the same time using the personal protection equipment.

8.2.1.1 protection of the eyes and face: not necessary

8.2.1.2 protection of the skin: not necessary

8.2.1.3 respiratory protection: not necessary

8.2.1.4 thermal dangers: no thermal danger acknowledged

8.2.2 Controls of the environmental exposition: unavailable

## 9 ) Physical and chemical properties

9.1) Information:

general:

appearance: semisolid

colour: black

smell: typical, very delicate

9.2) Important information about human health, safety and environment:

ph.: N/A

melting point/freezing point: N/A

fire point: >100°C

explosive properties: N/A

combustion properties: N/A

steam pressure: N/A

solubility: partially soluble

distribution coefficient: N/A

viscosity: N/A

steam density: N/A

evaporation speed: N/A

9.3 Additional information: unavailable

## 10) Stability and reactivity

10.1 Stability: stable material

10.2 Reactivity: no dangerous reaction

10.3 Conditions to avoid: none

10.4 Materials to avoid: unavailable information

10.5 Dangerous decay products: unavailable information

## 11) Toxicology information

No episode of health damage due to the exposition to the products was acknowledged. Because the product is used at room temperature, there is no smoke emission. In any case, it is necessary to operate in compliance with the rules of good occupational hygiene practice.

## 12) Ecological information:

12.1) Ecotoxicity: unavailable information

12.2) Mobility: unavailable information

12.3) Persistence and degradability: unavailable information

12.4) Bioaccumulation potential: unavailable information

12.5) Soil mobility: unavailable information

12.6) PBT evaluation results: the product does not contain PBT materials above 0.1%

12.7) Additional unfavourable effects: unavailable information

12.8) Additional information: unavailable

13) Disposal consideration:

13.1 Methods for the waste disposal

The product is completely recyclable.

The product in excess that cannot be reused anymore, and the product accidentally dispersed and unusable must be collected and bestowed to authorised landfills in compliance with the current national and Community regulations.

The product is classified under the code CER 17 03 02 (asphalt not containing tar)

14) Transport information

The product is not classified as dangerous during land transport, it is not classified in any dangerous class.

14.1 UN Number: N/A

14.2 Class: N/A

14.3 Correct registered name for the shipping: N/A

14.4 Packaging group: N/A

14.5 Environmental dangers: N/A

14.6 Additional information: unavailable

15) Regulatory information



15.1 The current EU legislation standards classify this product as non-dangerous, therefore it does not require any labelling.

## 16) Additional information

16.1 Relevant legislative decrees:

DPR 303/56 (Norme generali per l'igiene del lavoro)

DPR 547/55 (Norme per la prevenzione degli infortuni sul lavoro)

DPR 336/94 (Tabella delle malattie professionali nell'industria)

D.Lgs. N. 242/96, N. 25/02, N. 81/08 (Tutela della salute e della sicurezza sui luoghi di lavoro)

CEE Directives on the measures to encourage improvements in the safety and health of workers at work 89/391, 89/654, 89/655, 89/656, 60/269, 90/270, 90/394, 90/679, 93/88, 95/63, 37/42, 98/24, 99/38

The instructions contained in this safety data sheet are referred to the current knowledge of the manufacturer/supplier. They do not represent a contractual assurance of the qualities and performances of the product. The present data sheet replaces and cancels any previous version of it. The uses of the product fall within the users' control. Therefore, it is the user's responsibility to ensure that the information contained in the sheet is adequate and complete in relation to the specific use made of the product.