



## GENERAL DESCRIPTION

The technique of sealing and stabilizing with spraying, internationally known as **Fog Seal** is a spray application of a specially modified bituminous emulsion on an existing and aged asphalt pavement.

**Eshacoat PME-S** is designed to deliver lost «vitality» of the asphalt pavement caused by time and oxidation, and also sealing small cracks that have been created, thus preventing corrosive action of rainwater.

The composition of **Eshacoat PME-S** consists of modified bitumen that is dispersed in an aqueous carrier, with the help of special emulsifiers and refreshing additives that penetrate into the layers of the existing oxidized bituminous binder, while strengthening and stabilizing

The application of **Eshacoat PME-S** is suitable in cases of maintenance of asphalt pavements, in order to postpone their re-laying, as well as in cases where there is regular periodic maintenance planning in order to extend their life cycle.

## PRECAUTIONS

Causes skin irritation. May cause damage to organs through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects. Keep out of reach of children. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF ON SKIN: Wash with plenty of water. Get medical advice/attention if you feel unwell.



## STORAGE

**ESHACOAT PME-S** can be stored for 3 months at temperatures higher than 7°C. It is recommended to stir every 2 days.



## APPLICATION METHOD

**Eshacoat PME-S** γίνεται is applied with controlled spraying, depending on the type and texture of asphalt pavement that should be dry and clean:

<b>CLOSED TYPE ASPHALT PAVEMENT</b>	120-160 g/m <sup>2</sup>
<b>OPEN TYPE ASPHALT PAVEMENT</b>	160-210 g/m <sup>2</sup>

If there is need to dilute with water, the above quantities vary accordingly, so that the deposited bituminous binder after evaporation of the aqueous carrier of the emulsion will be between 70-125g/m<sup>2</sup>. Spraying in excess, will result in a further loss of skid resistance. In this case, but also in the case we need to further enhance skid resistance, it is recommended to apply a layer of a special gradation silica sand applied with a controlled spreader.

Shieve Type	Passing %
No 8	100 %
No 16	50-85 %
No 30	25 - 60 %
No 50	5 -30 %
No 200	0 - 10 %

The road can be given back into traffic 4-6 hours after the completion application, provided that any excess of the skid resistance sand has been removed, and the desired skid resistance has successfully measured on site. In order to avoid complete stop of traffic, it is recommended to apply in 1 lane at a time.

### Weather Conditions

- Weather should be dry and warm, without possibility of rain
- Surface should be dry
- Fog seals should not to be applied when the atmospheric temperature is below 15 °C
- Fog seals should not to be applied when temperatures below 5 °C are expected the next 24 hours
- Application should be take place during day and should have finished 3 hours before sunset



## TECHNICAL CHARACTERISTICS

CHARACTERISTICS	T*	VALUE	UNIT	METHOD
<b>Binder Content</b>	≥	60	%	EN 1428
<b>pH-Value (polarity)</b>	± 1	2 - 7	(-)	pH-METER
<b>Breaking Index</b>	± 15	120 - 180	class 5	EN 13075
<b>Shieve Test 0,5mm (No30)</b>		0,2	%	EN 1429
<b>Softening Point of residue</b>	≥	55	°C	EN 1427
<b>Penetration of residue</b>	≤	100	dmm	EN 1426
<b>Elastic Recovery of residue at 25°C</b>	≥	55	%	EN 13398
<b>Viscosity</b>	(-)	NPD	(-)	prEN 14896
<b>Aggregates coating ability</b>	>	90	%	EN13614

Tolerances in the nominal values are in accordance with respective standards. Producer reserves the right to modify the properties of his products.

*The information contained in this leaflet is, to the best of our knowledge, true and reliable and is supported by the present state of our knowledge. According to the care taken and the method of application, upon which we have no influence, the values are subject to divergence. Therefore for best results, prior to use, an application test should be made by the user under his own processing conditions.*

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