

Final Products Datasheet (LMF-09-04)	  Alexandria Specialty Petroleum Products Company (ASPPC)	Version Number	1
		Release Date	01/12/2022
		Revision Number	0
		Revision Date	01/12/2022

Cationic Asphalt Emulsion
Prime coat (ASPPC 208)

DESCRIPTION

ASPPC 208 is a slow setting, cold applied cationic asphalt emulsion. Suitable for use in the construction and maintenance of pavements as a prime coat.

The object of priming is to waterproof the surface, plug capillary voids; coat and bond loose mineral particles, harden or toughen the surface, and promote adhesion between it and the superimposed treatment or construction.

FEATURES

- Environmentally friendly, non-poisonous.
- High adhesion with the surface.
- Water base, so, it is not flammable.
- Needs no additives, ready to use.
- Can be applied easily and rapidly.
- Energy saving as it is used without heating.
- Can be applied during all weather conditions except in rainy days.
- Dries after spraying within a short period of time depending upon climate and road conditions as well as its composition and rate of spraying.

RECOMMENDED USES

- It's typically used as a prime coat of the base course prior to placing of the bituminous surface course and in construction as well as the maintenance of pavements as designated in ASTM D3628. It binds the granular material of the base course to the asphalt layer.
- Priming consists of initial incorporation of asphalt into the surface of a non-asphalt base course preparatory to any superimposed treatment of construction.

COLOUR

- **ASPPC 208** gives a dark brown color immediately after being sprayed.
- After breaking, color is changed into black.
- Its darkness increases with the final setting time depending on the weather conditions.

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TECHNICAL DATA

Physical Properties	Test Methods	Tech. Data
Viscosity Saybolt Furol at 25°C, sec.	ASTMD 88	100 max
Sieve test, %wt ^A	ASTMD 6933	0.1 max
Particle Charge test	ASTM D244	Positive
pH	ASTM E70	2.0 – 4.0
Distillation test:		
Oil distillate, volume of emulsion, %	ASTMD 6997	10 max
Residue after distillation, % mass		30 min
Tests on residue from distillation:		
Penetration, 25°C, 100 g, 5 sec, dmm	ASTMD 5	100 min
Solubility in trichloroethylene, % mass	ASTMD2042	97.5 min

^A This test requirement on representative sample is waived if successful application of the material has been achieved in the field.

COVERAGE

- Normally 1.0 – 1.5 kg/m² of the emulsion.
- Exact quantities are determined by the surface texture of the pavement.

APPLICATION INSTRUCTIONS AND SEQUENCE

- Spray **ASPPC 208** at a specified rate using a pressurized asphalt emulsion distributor. Using any other spraying tools may not give the perfect performance.
- Spraying must be done uniformly and pressurized.
- A small test section should be done prior to full production to determine proper application rate unless otherwise specified.
- Spray **ASPPC 208** on wet surfaces directly for highly porous surfaces (scarified), and/or for the highly compacted surfaces only when the surface penetration is not the only required parameters.
- Allow the surface to dry completely (about 48 hrs depending on the climatic conditions) before applying the base coarse layer.

HEALTH & SAFETY

- **ASPPC 208** is non-toxic.
- Workers should wear protective masks, gloves and goggles during application.
- No special precautions are needed since it is water-based non-flammable material.
- **ASPPC 208** must not be swallowing.
- If swallowed, CALL PHYSICIAN IMMEDIATELY.
- In case of eye contact, open eyelids wide and flush immediately with plenty of water for at least 15 minutes. Get medical advice.

STORAGE

- **ASPPC 208** is designed for immediate use, in no cases don't store **ASPPC 208** more than one week in the normal store conditions.
- Store **ASPPC 208** in a dry and shaded area in original packing.
- Store **ASPPC 208** in clean tanks or drums free from any chemical products or impurities, for about one week.
- Gently stir (recycle) **ASPPC 208** every day for at least two hours using a pump between two storage tanks or between the storage tank and the distributor and vice versa.

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PRECAUTION

- When **ASPPC 208** is in contact with air, an asphaltic skin will be formed on the surface, and this skin must be removed before reusing the product.
- Working temperature of **ASPPC 208** is the ambient temperature; in all cases the working temperature not exceeding 50°C.
- Don't use **ASPPC 208** if the temperature during application is less than 5°C, and when there is no threat of rain.
- Don't use **ASPPC 208** in dusty weather.

PACKING

- **ASPPC 208** is carried to site by tank trucks.

DISCLAIMER

This Product Data Sheet summarizes our best knowledge of the product, including how to use and apply the product based on the information available at the time. You should read this PDS carefully and consider the information in the context of how the product will be used, including in conjunction with any other product and the type of surfaces to, and the manner in which, the product will be applied. ASPPC co. does not accept any liability either directly or indirectly for any losses suffered in connection with the use or storage or application of the product whether or not in accordance with any advice, specification, recommendation or information given by it.