

Final Products Datasheet  (LMF-09-04)	  <b>Alexandria Specialty Petroleum Products Company (ASPPC)</b>	Version Number	1
		Release Date	01/12/2022
		Revision Number	0
		Revision Date	01/12/2022
		The chemical Laboratories and Research General Department	

## Cationic Asphalt Emulsion Tack Coat (ASPPC 201)

### DESCRIPTION

ASPPC 201 is a Cationic Rapid Setting (CRS-1), cold applied cationic asphalt emulsion. Complies with the standard specifications ASTM D2397.

### FEATURES

- Excellent adhesion on all kinds of gravel, Needs no additives.
- Can be applied easily and rapidly.
- Energy saving as it is used without heating, environmentally friendly.
- Can be applied during all weather conditions except in rainy days.

### RECOMMENDED USES

- **ASPPC 201** works as adhesive between two asphalt layers, for example between binder course and wearing course.

### APPLICATION INSTRUCTIONS

- Clean surface to be sprayed and remove any loose material.
- Spray **ASPPC 201** at a specified rate using an asphalt emulsion distributor.
- Spraying must be done uniformly and pressurized.
- **ASPPC 201** gives a dark brown color immediately after being sprayed.
- After breaking color is changed into black in about 30 minutes.
- **ASPPC 201** darkness increases with the final setting time.
- Wearing course can be laid after the full setting process (about 2 hrs).
- The best results of the adhering between the asphaltic layers (core test) using **ASPPC 201** is present after at least 48 hrs from laying the wearing course.

### TECHNICAL SPECIFICATIONS

Physical Properties	Test Methods	Specifications ASTM D2397
Viscosity Saybolt Furol at 50°C, sec.	ASTM D7496	20 - 100
Sieve test, %wt <sup>A</sup>	ASTM D6933	0.1 max
Particle Charge test	ASTM D244	Positive
pH	ASTM E70	2.0 – 4.0
<b>Distillation test:</b>		
Oil distillate, volume of emulsion, %	ASTMD 6997	3 max
Residue after distillation, % mass		60 min
<b>Tests on residue from distillation:</b>		
Penetration, dmm	ASTMD 5	100-250
Ductility, 25°C, Cm.	ASTM D113	40 min
Solubility in trichloroethylene, % mass	ASTM D2042	97.5 min

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

### COVERAGE

– About 0.30 - 0.40 kg/m<sup>2</sup>, depending on the nature of the substrate.

### HEALTH & SAFETY

- **ASPPC 201** is nontoxic.
- Workers should wear protective masks, gloves and goggles during application.
- No special precautions are needed since it is water-based non-flammable material.

Final Products Datasheet  (LMF-09-04)	 	Version Number	1
		Release Date	01/12/2022
		Revision Number	0
		Revision Date	01/12/2022
		The chemical Laboratories and Research General Department	
<b>Alexandria Specialty Petroleum Products Company (ASPPC)</b>			

- **ASPPC 201** 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:**

- Store **ASPPC 201** in a dry and shaded area in original packing.
- Store **ASPPC 201** in clean tanks or drums free from any chemical products or impurities, avoiding air contacts, for about one month.
- Gently stir (recycle) **ASPPC 201** twice every week for at least two hours using a pump between two storage tanks, or between the storage tank and the distributor and vice versa.

#### **PRECAUTIONS:**

- When **ASPPC 201** 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 201** is the ambient temperature; in all cases the working temperature not exceeding 50°C to avoid water evaporation.
- Don't use **ASPPC 201** if the temperature during application is less than 5°C.

#### **PACKING**

- **ASPPC 201** is supplied in bulk.

#### **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.