



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

Cationic Rapid Setting Asphalt Emulsion (ASPPC 202)

DESCRIPTION

ASPPC 202 Is a rapid setting cationic asphalt emulsion (CRS-1), complies with the international 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 202** used as tack coat and/or chip seal adhesive.
- **ASPPC 202** works as adhesive layer between two asphalt layers, for example between binder course and wearing course.

APPLICATION INSTRUCTIONS FOR TACK COAT



- Clean surface to be sprayed and remove any loose material.
- Spray **ASPPC 202** at a specified rate using an asphalt emulsion distributor.
- Spraying must be done uniformly and pressurized.
- **ASPPC 202** gives a dark brown color immediately after being sprayed.
- After breaking color is changed into black in about 30 minutes.
- **ASPPC 202** darkness increases with the final setting time.
- Wearing course can be laid on **ASPPC 202** after the full setting process is occurring (about 2 hrs).
- The best results of the adhering between the asphaltic layers (core test) using **ASPPC 202** is present after at least 48 hrs from laying the wearing course.

COVERAGE

- Tack coat:
 - About 0.3 - 0.4 kg/m², depending on the nature of the substrate.
- Chip Seal:
 - About 1.0 - 1.5 kg/m², depending on the application design.

STORAGE:

- Store **ASPPC 202** in a dry and shaded area in original packing.
- Store **ASPPC 202** in clean tanks or drums free from any chemical products or impurities, avoiding air contacts, for about four months.
- Gently stir (recycle) **ASPPC 202** once weekly for at least two hours using a pump between two storage tanks, or between the storage tank and the distributor and vice versa.

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

SPECIFICATIONS

<u>Physical Properties</u>	<u>Test Method</u>	<u>Specifications</u>
Viscosity Saybolt Furol at 50°C, sec.	ASTMD88	20 - 100
Sieve test, %wt ^A	ASTMD6933	0.1 max
Storage stability 24hrs, % ^A	ASTMD6930	1.0 max
Particle Charge test	ASTM D244	Positive
pH	ASTM E70	2.0 – 4.0
Distillation test:		
Oil distillate, volume of emulsion, %	ASTM D6997	3.0 max
Residue after distillation, % mass		60 min
Tests on residue from distillation:		
Penetration, 25°C, dmm	ASTMD5	100-250
Ductility, 25°C, cm	ASTM D113	40 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.

HEALTH & SAFETY

- **ASPPC 202** is non-toxic.
- Workers should wear protective masks, gloves and goggles during application.
- No special precautions are needed since it is non-flammable material.
- **ASPPC 202** 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.

PRECAUTIONS:

- When **ASPPC 202** is in contact with air, an asphaltic skin will be formed on the surface, and this skin must be removed before reusing the product.
- **ASPPC 202** after complete drying not affected by water (re-emulsification not occur).
- Working temperature of **ASPPC 202** is the ambient temperature; in all cases the working temperature not exceeding 50°C.
- Don't use **ASPPC 202** if the temperature during application is less than 5°C.

PACKING

- **ASPPC 202** is supplied in 200-liter steel drums.

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.