

CATIONIC MEDIUM SETTING ASPHALT EMULSION (CMS-2) (ASPPC 205)

DESCRIPTION

ASPPC 205 is a cold applied fluid asphalt emulsion, complies with ASTM D2397.

FEATURES

- Ideal for cold mix.
- Excellent adhesion on all kinds of gravel.
- Can be applied easily and rapidly.
- Energy saving as it is used without heating.
- Environmental friendly.
- Have sufficient fluidity to facilitate mixing and coating the project aggregate.
- Have good attraction or wetting power for the aggregate surface.
- High enough viscosity or thixotropic characteristics to permit handling and placement without flowing off the aggregate.
- Provides resistance to wash off from rain within one hour after placement.

RECOMMENDED USES

ASPPC 205 typically used for cold mix which used in the construction and maintenance of pavements.

PRECAUTION FOR SUCCESSFUL PROJECTS

- As with any project, correct design, normal good construction procedures and proper emulsion handling will give the best results.
- **ASPPC 105** were formulated for local aggregates, climate, job conditions and performance requirements to make sure your project will be successful.
- Using of high technology emulsion manufacturing improve the quality of the finished application.
- Permits slow traffic within one to two hours after compaction, and normal traffic within 24 hours under average curing conditions of temperature and humidity

COLOUR

- **ASPPC 205** gives a dark brown color during mixing.
- After breaking color is changed into black.

TECHNICAL DATA

Physical Properties	Test Method	Results
Viscosity Saybolt Furol at 50°C, sec.	ASTMD 88	50-450
Storage stability, 24 hr, %	ASTMD 244	1 max
Sieve test, %wt	ASTMD 244	0.1 max
Particle charge test	ASTMD 244	Positive
Coating ability and water resistance: ❖ Coating, dry aggregate ❖ Coating, after spraying ❖ Coating, wet aggregate ❖ Coating, after spraying	ASTMD 244	Good Fair Fair Fair
Distillation test: Oil distillate, volume of emulsion, %	ASTMD 244	12 max
Residue by distillation, %		65 min
Tests on residue from distillation:		
Penetration, dmm,	ASTMD 5	100-250
Ductility, 25°C, cm	ASTM D113	40 min
Solubility in trichloroethylene, % mass	ASTMD2042	97.5 min

COVERAGE

- Percent by weight of asphalt emulsion, based on weight of graded mineral aggregate in the designed cold mix. Normally 6-8%wt of the aggregate.

HEALTH & SAFETY

- **ASPPC 205** is non toxic to eyes or skin.
- Workers should wear protective masks, gloves and goggles during application.
- No special precautions are needed since it is water based non flammable material.

STORAGE:

- Store **ASPPC 205** in a dry and shaded area in original packing.
- Store **ASPPC 205** in clean tanks or drums free from any chemical products or impurities.

PACKING

- **ASPPC 205** is supplied in bulk and/or drums.