

TECHNICAL DATA SHEET – EPR-1

DESCRIPTION

Blacklidge's EPR-1 is a specialized emulsion specially formulated to be an environmentally friendly penetrating prime. EPR-1 is provided in both concentrate and ready to shoot forms. If EPR-1 Concentrate is being provided, it should be diluted with 2 parts water to 1 part concentrate prior to application as a prime coat.

PHYSICAL PROPERTIES

- Boiling Point (°F): 212
- Specific Gravity (H₂O = 1): 1.01
- Solubility in Water: Dispersible
- Appearance and Odor: Brown liquid with Mild Petroleum Odor

EPR-1 Concentrate

PARAMETER	TEST METHOD	MIN	MAX
Tests on Emulsion			
Saybolt Furol Viscosity, SFS @ 25 °C	AASHTO T 72	14	60
Storage Stability, 1 day, %	AASHTO T 59	----	1.0
Particle Charge	AASHTO T 59	Positive	
Residue by Distillation	AASHTO T 59	60	----
Sieve Test	AASHTO T 59	----	0.1
Tests on Residue			
Flash Point, COC, °F	AASHTO T 48	410	----
Kinematic Viscosity @ 140°F, cSt	AASHTO T 201	600	1000

EPR-1 Prime (Ready-to-Shoot)

PARAMETER	TEST METHOD	MIN	MAX
Tests on Emulsion			
Saybolt Furol Viscosity, SFS @ 25 °C	AASHTO T 72	6	24
Residue by Distillation	AASHTO T 59	20	----
Particle Charge	AASHTO T 59	Positive	
Sieve Test	AASHTO T 59	----	0.1
Tests on Residue			
Flash Point, COC, °F	AASHTO T 48	410	----
Kinematic Viscosity @ 140°F, cSt	AASHTO T 201	600	1000

LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to freeze or boil because of aggressive heating. Freezing or boiling of EPR-1 will break the emulsion. EPR-1 IS NOT COMPATIBLE WITH ANIONIC EMULSIONS (RS, MS, SS, etc.). All equipment should be thoroughly cleaned if anionic emulsion was previously present. It is highly recommended for the product to be applied when hot (140°F to 160°F). Please contact your Blacklidge representative prior to first use for detailed storage and handling procedures.

CAUTION

For industrial use only. Refer to SDS for further information.

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS.

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