



COLCOTE S™

Bitumen based Stone Precoating Fluid

Product Data Sheet 2012/08

DESCRIPTION

COLCOTE S™ is a bitumen based cutback blended from selected petroleum derivatives and a chemical adhesion agent.

USES

COLCOTE S™ is used for precoating stone chips in road surfacing seals to improve adhesion between the stone and binder. Can be used with:

- All bituminous binders, including bitumen emulsions, without the risk of incompatibility problems.
- All local road stone, including granite and quartzitic aggregates.

PROPERTIES

COLCOTE S™ has excellent adhesion when used with damp or dusty aggregate. COLCOTE S™ is non-irritating to eyes and skin and odourless after curing.

SPECIFICATIONS

BINDER PROPERTIES	REQUIREMENT		TEST METHOD
	Min	Max	
Density @ 25°C, kg/ℓ	0.922	0.928	
Dynamic viscosity @ 25°C, cps	75	130	ASTM D4402
Distillation to 360°C, % v/v:			ASTM D402
to 190°C	0	15	
225°C	15	55	
260°C	50	75	
316°C	80	95	
Residue from distillation to 360°C, % v/v	42	48	ASTM D402
Penetration @ 25°C of residue distilled to 360°C, 0.1 mm	300	-	EN 1426

DIRECTIONS FOR USE

1. Aggregate to be precoated should be relatively free of dust. Slightly damp stone will precoat more easily, but wet stone must be dried out.
2. Add the prescribed quantity of precoating fluid (see table below for typical application rates) to a measured quantity of aggregate. Mix with front-end loader or concrete mixer until uniformly coated.

Typical application rates for different stone sizes (ℓ/m ³)				
Stone size	6.7 mm	9.5 mm	13.2 mm	19.0 mm
COLCOTE S™	14 - 18	13 - 17	12 - 16	11 - 15

3. After precoating, protect the stockpile against rain to prevent run-off. Allow the stone chips to dry for at least 3-4 days before use. Unlimited stockpile life, but avoid dust contamination.

Head Office

Cape Town PO Box 82 Eppindust 7475 Tel +27 (0)21 531 6406 Fax +27 (0)21 531 5514 Email colas@colas.co.za Website www.colas.co.za

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