

BITUMEN EMULSION

Bitumen Emulsions are basically an O/W – Oil on Water solution – A dispersion of bitumen particles on water, stabilized with the addition of surfactants – Surface active agents – or most commonly known as emulsifiers, that will permit the bitumen to be diluted in water. Applications are tack coats between hot mix asphalt layers, prime coats for thin hot mix surfacing layers or seal pavements.

Presence of water as the solvent offers some advantages to this bituminous binder: Environmental friendly aspect, saving energy, easy handling and storage, cost effective, safety while operation...

Applications of Bitumen Emulsions: Prime, Tack and Seal Coating, Chip and Fog Seal, Penetration Macadam Dense Graded, Surface Dressing, Asphalt Sealer, Immediate Maintenance, Stockpile Maintenance Mixes, Cold Mix Asphalt, Slurry & Micro Surfacing, Cold Recycling, Mulching and Dust Palliative

Bitumen Emulsion Specifications vary from each producer to other, but there are general aspects to understand the quality of the product demonstrated in the below table:



Bitumen Emulsion (Cationic General Specifications)					
Properties	Test method	CRS-1	CRS-2	CMS-2	CSS-1
Type	-	Rapid-Setting	Rapid-Setting	Medium -Setting	Slow-Setting
Bitumen Content (%wt)	ASTM D2027	60%	65%	65%	57%
Oil Distillate, emulsion	ASTM D6997	Max 3%	Max 3%	Max 12%	-
Residue	ASTM D244	60%	65%	65%	57%

Available Packaging	
Package Type	Quantity per 20 FCL
200 KG New Steel Drum	110 Drums



Zista Group supplies different grades of Bitumen Emulsion worldwide. The steady supply of Bitumen Emulsions by Zista Group is direct from certified Iranian producers.

For more information please do not hesitate to contact us; info@zistalube.com