

EMASFALT MBA BIO (C67BFv3 MBA)

DEFINITION:

Medium setting cationic bituminous emulsion for cold open graded cold mixes. Compliant with the specifications contained in standard EN 13808:2013 for a C67BFv3 MBA type emulsion, formulated with plant-based fluxants.

SPECIFICATIONS:

Characteristics	Units	Standard	Min.	Max.
Properties of the emulsion				
Particle polarity	-	EN 1430	Positive	
Breaking value (Forshammer filler)	-	EN 13075-1	70	155
Efflux time (4 mm, 40 °C)	s	EN 12846-1	5	70
Binder content (per water content)	%	EN 1428	65	69
Oil distillate content	%	EN 1431	-	10
Residue on sieving (0,5 mm sieve)	%	EN 1429	-	0,10
Settling tendency (7 days storage)	%	EN 12847	-	5
Water effect on binder adhesion	%	EN 13614	90	-
Residual binder		EN 1431		
Penetration (25 °C)	0,1 mm	EN 1426	-	330
or Penetration (15 °C)	0,1 mm	EN 1426	90	170
Softening Point (*)	°C	EN 1427	35	-
Recovered binder		EN 13074-1		
Penetration (25 °C) (*)	0,1 mm	EN 1426	-	330
or Penetration (15 °C)	0,1 mm	EN 1426	140	260
Softening Point (*)	°C	EN 1427	-	35
Stabilised binder		EN 13704-2		
Penetration (25 °C)	0,1 mm	EN 1426	-	220
Softening Point	°C	EN 1427	39	-

(*) If penetration at 25°C is > 330 (0,1 mm), softening point < 35°C is allowed.

APPLICATIONS:

- Open graded cold bituminous mixes for binder or wearing courses.

RECOMMENDED WORKING TEMPERATURES:

- Application temperature (°C): 30-60.

RECOMMENDED DOSAGE:

- Approximately 5.0 - 7.0% of emulsion over the weight of the aggregate depending on the aggregate mix type. This is about 3.2 – 4.8 % of residual binder over the total mix.