ECOEMUL MBC-60 (C60B4 MBC)

DEFINITION:

Slow setting cationic bituminous emulsion for close-graded half-warm mixes, corresponding to C60B4 type emulsion according to standard EN 13808:2013.

SPECIFICATIONS:

Characteristics	Units	Standard	Min.	Max.
Original emulsion				
Particle polarity	-	EN 1430	Positive	
Breaking value (Forshammer filler)	-	EN 13075-1	110	195
Binder content (per water content)	%	EN 1428	58	62
Efflux time (2 mm, 40ºC)	s	EN 12846-1	15	70
Settling tendency (7 days)	%	EN 12847	-	10
Residue on sieving (0,5 mm)	%	EN 1429	-	0,10
Water effect on binder adhesion	%	EN 13614	90	-
Residual binder		EN 1431		
Penetration (25 ºC)	0,1 mm	EN 1426	-	100
Softening point	ºC	EN 1427	43	-
Recovered binder		EN 13074-1		
Penetration (25 ºC)	0,1 mm	EN 1426	-	100
Softening point	ºC	EN 1427	43	-
Stabilised binder		EN 13704-2		
Penetration (25 ºC)	0,1 mm	EN 1426	-	100
Softening point	ºC	EN 1427	43	-

APPLICATIONS:

- Close-graded half-warm mixes.

RECOMMENDED WORKING TEMPERATURES:

- Application temperature (ºC): 30 - 60.
- Aggregate temperature (ºC): 70 - 110.
- Normally the emulsion will be used at supply temperature, and the emulsion will not require warming for aggregate coating, but if it is warmed, special care must be taken to not exceed the limit of 60ºC. In this case, it is recommended to heat the emulsion by means that ensure control over the temperature and an even temperature throughout the emulsion, avoiding spot overheating that could damage it.

RECOMMENDED DOSAGE:

- Approximately 7.0 to 9.0% of emulsion over aggregate weight depending on the aggregate characteristics, which involves 4.0 to 6.0% of residual binder in the mix.

GENERAL RECOMMENDATIONS:

- Calibrate the dosage devices of the mix manufacturing plant.
- Adapt the dosage of the materials based on the work formula.
- Adjust the dosage in the test section.