EMASFALT MBC (C60B5 MBC)

DEFINITION:

Slow setting cationic bituminous emulsion for close-graded cold mixes corresponding to C60B5 type emulsion according to standard EN 13808:2013.

SPECIFICATIONS:

Characteristics	Units	Standard	Min.	Max.
Properties of the emulsion				
Particle polarity	-	EN 1430	Positive	
Breaking value (Forshammer filler)	-	EN 13075-1	170	-
Efflux time (2 mm, 40 °C)	s	EN 12846-1	15	70
Binder content	%	EN 1428	58	62
Residue on sieving (0,5 mm sieve)	%	EN 1429	-	0,10
Settling tendency (7 days storage)	%	EN 12847	-	10
Water effect on binder adhesion	%	EN 13614	90	-
Residual binder		EN 1431		
Penetration (25 ºC) (*)	0,1 mm	EN 1426	-	150
Softening Point (*)	ºC	EN 1427	39	-
Recovered binder		EN 13074-1		
Penetration (25 ºC) (*)	0,1 mm	EN 1426	-	150
Softening Point (*)	ºC	EN 1427	39	-
Stabilised binder		EN 13704-2		
Penetration (25 ºC) (*)	0,1 mm	EN 1426	-	150
Softening Point (*)	ºC	EN 1427	39	-

(*) Penetration at 25ºC < 100 (0,1 mm) and softening point > 43ºC are allowed, depending on the traffic category and the climate conditions.

APPLICATIONS:

→ Cold dense mixes (closed granulometry).

RECOMMENDED WORKING TEMPERATURES:

→ Application temperature (ºC): 10-60. Regularly, the emulsion will be used at the supply temperature which will always be less than 60ºC. It is not recommended to heat the emulsion for this application because a high temperature will cause an early breakage during the coating of the aggregates.

RECOMMENDED DOSAGE:

→ It will be determined according to the mix type, application, and aggregates, but it is recommended to apply a minimum dosage of around 7.0 % of emulsion.

GENERAL RECOMMENDATIONS:

→ Given its composition, this type of emulsion should be transported in full cisterns or at least filled up to 90% of its capacity, always at temperatures below 60ºC to avoid any partial breakages during transport.

→ If these emulsions are going to be stored during more than 7 days, it is recommended to homogenize prior to their use.

→ The appropriate equipment must be used to reach the emulsion's proper dosage and the rest of the components of the warm recycled mixture.