

Ecoemul MBC-65 (C65B4 MBC)

EMULSIONS ■ WARM MIXES

DEFINITION:

Slow breaking cationic bituminous emulsion for close-graded warm mixes, that meets the specifications contained in regulation UNE EN 13808:2013/1M: 2014 for a C65B4 MBC type emulsion.

SPECIFICATIONS:

Characteristics	Unit	Standard	Min.	Max.
Original Emulsion				
Particle polarity		UNE EN-1430	Positive	
Breaking value (Forshammer filler)	g	UNE EN 13075-1	110	195
Binder content (per water content)	%	UNE EN 1428	63	67
Efflux time (4mm, 40°C)	s	UNE EN 12846-1	5	70
Residue on sieving (0.5 mm)	%	UNE EN 1429	-	0.10
Settling tendency (7 days storage)	%	UNE EN 12847	-	5
Water effect on binder adhesion	%	UNE EN 13614	90	--
Binder after distillation (UNE EN 1431)				
Penetration (25 °C; 100 g; 5 s)	0.1mm	UNE EN 1426	-	100
Softening point	°C	UNE EN 1427	43	-
Evaporation residue (UNE EN 13074-1)				
Penetration (25 °C; 100 g; 5 s)	0.1mm	UNE EN 1426	--	100
Softening point	°C	UNE EN 1427	43	-
Stabilizing residue (UNE EN 13074-2)				
Penetration (25 °C; 100 g; 5 s)	0.1mm	UNE EN 1426	--	100
Softening point	°C	UNE EN 1427	43	-

APPLICATIONS:

- Close-graded warm mixes.

GUIDING WORKING TEMPERATURES:

- Application temperature (°C): 20 – 60.
- Aggregate temperature (°C): 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 will be taken to not exceed the limit of 60°C. For this, it is advisable that the emulsion be heated by means that ensure control over the temperature, and an even temperature across the emulsion.

GUIDING AMOUNTS:

- Approximately 7 to 9 % of emulsion versus the weight of the aggregate depending on the aggregate characteristics, which involves 4 to 5 % of residual binder in the mix.

RECOMMENDATIONS:

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

Review no.: 4

Approved: 01/03/2019

Next review: 01/03/2024



ER-0129/1994



For more information, visit cepsa.com

Note: the recommendations included in this technical sheet should be considered for guidance purposes only and for general situations, with Cepsa being exempt from any liability due to improper use. For specific cases, please contact the Technical Department at Cepsa.



Your world, more efficient.