

EMASFALT GE-60 (C60B5 GE)

EMULSIONS ■ COLD BITUMINOUS MIXES ■ GRAVEL EMULSION

DEFINITION:

Slow breaking cationic bituminous emulsion for emulsion gravel, compliant with the specifications contained in regulation UNE EN 13808:2013/1M: 2014 for a C60B5 GE type emulsion.

SPECIFICATIONS:

Characteristics	Unit	Standard	Min.	Max.
Original Emulsion				
Particle polarity	-	UNE EN 1430	Positive	
Breaking value (Forshammer filler)	-	UNE EN 13075-1	170	-
Efflux time (2 mm, 40°C)	s	UNE EN 12846-1	15	70
Binder content (per water content)	%	UNE EN 1428	58	62
Residue on sieving (0.5 mm)	%	UNE EN 1429	-	0.10
Settling tendency (7 days storage)	%	UNE EN 12847	-	10
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	-	220
Softening point	°C	UNE EN 1427	39	-
Evaporation residue (UNE EN 13074-1)				
Penetration (25 °C; 100 g; 5 s)	0.1mm	UNE EN 1426	-	220
Softening point	°C	UNE EN 1427	39	-
Stabilizing residue (UNE EN 13074-2)				
Penetration (25 °C; 100 g; 5 s)	0.1mm	UNE EN 1426	-	220
Softening point	°C	UNE EN 1427	39	-

APPLICATIONS:

- Emulsion gravel.
- Emulsion soil.

GUIDING WORKING TEMPERATURES:

- Application temperature (°C): 10- 40. Normally, the emulsion will be used at the supply temperature which should always be below 50°C. It is not advisable to heat the emulsion for this application given that a high temperature of the emulsion brings about a premature breaking of the aggregate coating.

GUIDING AMOUNTS:

- Approximately 3.5 to 7% of emulsion vs. aggregates, depending on the type of treatment, aggregates and the position of the layer on the road surface.

RECOMMENDATIONS:

- Given its composition, this kind of emulsion should be transported in full cisterns, or at least filled up to 90% of their capacity, and preferably at ambient temperature, to avoid any partial breakages during transport
- If these emulsions are to be stored for more than 7 days, it is recommended that they be homogenized prior to their use.
- The appropriate equipment must be used for the right dosage of the emulsion and the rest of the emulsion gravel components.

Review no.: 6

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.