

EMASFALT GE-65 (C65B5 GE)

EMULSIONS ■ COLD BITUMINOUS MIXES ■ GRAVEL EMULSION

DEFINITION:

Slow breaking cationic bituminous emulsion for emulsion gravel that meets the specifications contained in regulation UNE EN 13808:2013 for a C65B5 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	-
Binder content (per water content)	%	UNE EN 1428	63	67
Efflux time (4 mm, 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	-	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 type mixes for intermediate and base layers.

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.

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