

Emasfalt MBC (C60B5 MBC)

EMULSIONS ■ COLD BITUMINOUS MIXES ■ CLOSE-GRADED

DEFINITION:

Slow breaking cationic bituminous emulsion for cold close-graded mixes, compliant with the specifications contained in standard UNE EN 13808:2013 for a C60B5 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:

- Dense cold mixes (close graded).

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:

- These will depend on the type of mix, application and aggregates used.

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 components of the cold mix.

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