

Styemul Adherencia (C60BP3 TER)

EMULSIONS ■ THERMOADHERENT TACK COATS

DEFINITION:

Fast breaking thermoadherent cationic bituminous emulsion for tack coats in which the original binder is made of a bitumen modified with Elaster polymers. Compliant with the specifications of article 214 of the General Technical Specifications for Road and Bridge Works (PG-3) and those included under standard UNE 13808:2013/1M:2014 for a type C60BP3 TER emulsion.

SPECIFICATIONS:

Characteristics	Unit	Standard	Min.	Max.
Original Emulsion				
Polarity of particles	-	UNE EN 1430	Positive	
Breaking value (Forshammer filler)		UNE EN 13075-1	70	155
Binder content per water content	%	UNE EN 1428	58	62
Efflux time (2 mm, 40 °C)	s	UNE EN 12846	15	70
Settling tendency (7 days storage)	%	UNE EN 12847	-	10
Residue on sieving (0.5 mm)	%	UNE EN 1429	-	0.1
Water effect on binder adhesion	%	UNE EN 13614	90	-
Binder after distillation (UNE EN 1431)				
Penetration (25°C)	0.1mm	UNE EN 1426	-	50
Softening point	°C	UNE EN 1427	55	-
Cohesion (Vialit pendulum)	J/cm ²	UNE EN 13588	0.5	-
Elastic recovery (25°C)	%	UNE EN 13398	50	-
Evaporation residue (UNE EN 13074-1)				
Penetration (25°C)	0.1mm	UNE EN 1426	-	50
Softening point	°C	UNE EN 1427	55	-
Cohesion (Vialit pendulum)	J/cm ²	UNE EN 13588	0.5	-
Elastic recovery (25°C)	%	UNE EN 13398	50	-
Stabilizing residue (UNE EN 13074-2)				
Penetration (25°C)	0.1mm	UNE EN 1426	-	50
Softening point	°C	UNE EN 1427	55	-
Cohesion (Vialit pendulum)	J/cm ²	UNE EN 13588	0.5	-
Elastic recovery (25°C)	%	UNE EN 13398	50	-

DV= value declared by the supplier

APPLICATIONS:

- High performance tack coats between hot asphalt mix layers, generally applied under the surface layer, especially when it involves PA, BBTM, ultralight (UTL) or SMA mixes.

GUIDING WORKING TEMPERATURES:

- Recommended application temperatures will be comprised between 20 and 60°C. Within this range, it is not necessary to heat the emulsion to apply it, but if this is done, special care should be taken not to 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, avoiding spot overheating that could deteriorate it.

GUIDING AMOUNTS:

- 300 - 400 g/m² de of emulsion, depending on the condition of the base surface and recommendations of the PG-3.
- Note: On milled pavements, in order to avoid an excess of emulsion from settling in the grooves created, special care will be taken to apply the coat, opting for a two-coat application, if necessary.
- Excessive amounts can lead to greater stickiness of the residual binder for traffic.

RECOMMENDATIONS:

- Cleaning of base surface, especially when the tack coat is applied on milled pavements.
- It is not advisable to apply this under warm mixes or cold.
- Application of the coat with spraying lance will be avoided.
- Equipment adequate for a good dosage, with injectors that are clean and in good condition.
- Clean the pipes and diffusers immediately after application of the coat.
- The application of the following asphalt mix, or traffic of site vehicles will take place, depending on the condition of the base surface and the weather conditions, between 10 min and approximately one hour after the application of the emulsion.
- Do not store for more than 15 days. After 7 days the homogeneity of the stored product must be guaranteed by the appropriate means (see relevant recommendation in PG-3).

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