Styemul GT (C69BP3 GT)

Fast setting modified cationic bituminous emulsion, in which the original binder is made of a polymer modified bitumen type Elaster, designed for its use in addition to the application of geotextiles, to guarantee the waterproofing of the support on which they are applied and to avoid the reflection of cracks to the upper layers of the pavement. Compliant with the specifications in standard EN 13808:2013 for a C69BP3 type emulsion.

Applications:

- Nonwoven geotextiles impregnated with the emulsion for:
  - Avoiding crack propagation
  - Waterproofing of bridge decks

Recommended working temperatures:

- Application temperature (°C): 40 - 60. If the emulsion must be heated, special care must be taken to not exceed the 60°C limit. In this case, it is recommended to carry out the heating with means that guarantee correct temperature control and its homogeneity throughout the emulsion, avoiding specific overheating that could damage the product

Specifications:

Characteristics	Units	Standard	Min.	Max.
Original emulsion				
Particle polarity	-	EN 1430	Positive	
Breaking value (Forshammer filler)	-	EN 13075-1	70	155
Binder content (per water content)	%	EN 1428	67	71
Efflux time (4 mm, 40°C) (*)	s	EN 12846-1	5	70
Settling tendency (7 days)	%	EN 12847	-	5
Residue on sieving (0.5 mm sieve)	%	EN 1429	-	0.10
Water effect on binder adhesion	%	EN 13614	NR	-
Residual binder		EN 1431		
Penetration (25 °C)	0,1 mm	EN 1426	-	220
Softening point	°C	EN 1427	43	-
Cohesion (Vialit pendulum)	J/cm²	EN 13588	0.7	-
Elastic recovery (25°C)	%	EN 13398	75	-

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Revision No. 2 - Approved: 07/11/2025 - Next revision: 07/11/2030

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Styemul GT (C69BP3 GT)

Recommended dosage:

- Depending on the type of application, the residual binder dosage will vary around 1.0 - 2.0 kg emulsion/m²

General recommendations:

- Cleaning and support preparation
- Appropriate equipment, with clean injectors for a proper and homogeneous dosage throughout the support, avoiding spear irrigation

Specifications:

Characteristics	Units	Standard	Mín.	Max.
Recovered binder		EN 13074-1		
Penetration (25 °C)	0.1 mm	EN 1426	-	220
Softening point	°C	EN 1427	43	-
Cohesion (Vialit pendulum)	J/cm²	EN 13588	0.7	-
Elastic recovery (25°C)	%	EN 13398	75	-
Stabilised binder		EN 13704-2		
Penetration (25 °C)	0.1 mm	EN 1426	-	220
Softening point	°C	EN 1427	43	-
Cohesion (Vialit pendulum)	J/cm²	EN 13588	0.7	-
Elastic recovery (25°C)	%	EN 13398	75	-

(*) Efflux time between 40 - 100 s by 4 mm is allowed, depending on the characteristics of the materials to be used.

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