

STYEMUL GT (C69BP3 GT)

DEFINITION:

Fast setting modified cationic bituminous emulsion, in which the original binder is made of a bitumen modified with polymers, 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 for a C69BP3 type emulsion.

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 (2 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	-	150
Softening point	°C	EN 1427	43	-
Cohesión (Vialit pendulum)	J/cm ²	EN 13588	0,7	-
Elastic recovery (25°C)	%	EN 13398	50	-
Recovered binder				
EN 13074-1				
Penetration (25 °C)	0,1 mm	EN 1426	-	220
Softening point	°C	EN 1427	43	-
Cohesión (Vialit pendulum)	J/cm ²	EN 13588	0,7	-

Elastic recovery (25°C)	%	EN 13398	50	-
Stabilised binder		EN 13704-2		
Penetration (25 °C)	0,1 mm	EN 1426	-	150
Softening point	°C	EN 1427	43	-
Cohesión (Vialit pendulum)	J/cm ²	EN 13588	0,7	-
Elastic recovery (25°C)	%	EN 13398	50	-

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

APPLICATIONS:

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

RECOMMENDED WORKING TEMPERATURES:

- Application temperature (°C): 30-60. 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.

RECOMMENDED DOSAGE:

- Depending on the type of treatment, 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.