

EMASFALT PROTECT (C40B3)

DEFINITION:

Fast setting cationic bituminous emulsion for protection coating and surface sealing. Compliant with specifications contained in standard EN 13808:2013 for a C40B3 type emulsion.

SPECIFICATIONS:

Characteristics	Units	Standard	Min.	Max.
Properties of the emulsion				
Particle polarity	-	EN 1430	Positive	
Breaking value (Forshammer filler)	-	EN 13075-1	70	155
Binder content	%	EN 1428	38	42
Oil distillate content	%	EN 1431	-	3
Efflux time (2 mm, 40°C) (*)	s	EN 12846-1	-	20
Residue on sieving (0,5 mm sieve)	%	EN 1429	-	0,1
Water effect on binder adhesion	%	EN 13614	NR	-
Residual binder		EN 1431		
Penetration (25 °C)	0,1 mm	EN 1426	-	100
Softening Point	°C	EN 1427	43	-
Recovered binder		EN 13074-1		
Penetration (25 °C)	0,1 mm	EN 1426	-	150
Softening Point	°C	EN 1427	43	-
Stabilised binder		EN 13704-2		
Penetration (25 °C)	0,1 mm	EN 1426	-	100
Softening Point	°C	EN 1427	43	-

(*) Efflux time between 15 – 70 s for 2 mm at 40°C is allowed.

APPLICATIONS:

- Protection coating and surface sealing for waterproofing.

RECOMMENDED WORKING TEMPERATURES:

- Application temperature (°C): 20 - 50. Within this range, heating the emulsion is not necessary for its application but, 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:

- Approximately between 0.4 - 0.8 kg de emulsion/m², depending on the soil condition. The dosage of residual binder must be between 0.15 – 0.3 kg/m².

GENERAL RECOMENDATIONS:

- Cleaning and support preparation.
- The equipment for its application must have a spraying bar to guarantee transversal uniformity. Spear irrigation will be avoided.
- It is complemented with the application of a coating aggregate with a size of 4 mm in the dosage necessary for the complete coating of the surface (4.0 – 7.0 l/m²).
- The curing coating will be carried out immediately after finishing compaction of the lower layer and will never take place after three hours (3 h) since the application, keeping the surface in a wet state until then.