

TECHNICAL DATA SHEET

RUBIRTEC B



APPLICATION:

RUBIRTEC B is an aqueous, high solids, cold-polymerized, cationic styrene-butadiene dispersion for modifying cationic asphalt emulsions.

RUBIRTEC B is used in road pavements applications with the purpose of increasing durability thanks to the elastic behaviour and resistance to the UVA reducing the aging effects.

RUBIRTEC B bring to the cationic bituminous emulsion:

- High elasticity.
- Reduced sensibility to the extreme temperatures and to the icing/deicing cycles.
- Rapid and high cohesion between coats.
- Reduction of gravelling problems.
- High water resistance.
- Increasing softening point (ring and ball) of the residual binder.
- Reduction of penetration on residual binder.

RUBIRTEC B is 100% water soluble liquid product and it can be used in continuous and discontinuous plants.

DOSAGE:

In order to obtain sensible increasing of the emulsion performances is preferable to use a quantity of product in order to introduce a polymer solid content of 2-5%.

CHEMICAL FAMILY:

RUBIRTEC B is dispersion in water of a styrene-butadiene copolymer of cationic type.

STORAGE:

RUBIRTEC B shall be stored at temperature higher than 5°C and in closed containers. The product shall be not storage for period longer than 6 months. Periodic mechanical stirring is required to maintain a homogeneous mixture. Some separation is possible due to the specific gravity and particle size distribution of this latex polymer dispersion.

PACKAGE:

RUBIRTEC B is supplied in 200 kg plastic drums and in 1000 kg plastic cisterns.

SAFETY:

RUBIRTEC B is not toxic neither flammable in normal use and handle conditions. The product does not content any dangerous material and so it is not necessary any special labelling (due to the current laws). It is not necessary to use any special protection or handling aids more than the normally used when chemical products are handled. For further information see the Safety Data Sheet.

The information contained herein is indicative only and without express guarantee. As no control can be exercised over its use, we cannot be held responsible for any damage which may result from its misuse.



PHYSICAL AND CHEMICAL PROPERTIES:

Solid content (%)	I-10-31	>63
Viscosity Brookfield RVT (# 3/20 rpm, mPa · s)	I-10-32	250-2000
pH	I-10-33	
Specific weight (kg/dm ³)		4 - 6
Bound Styrene (%)		0,94 ± 0,05
Glass transition temperature (DSC) (°C)		24

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