ITERPOWER CA

STABILIZING ADDITIVE FOR BITUMEN EMULSIONS

GENERAL INFORMATION AND BENEFITS

Used in combination with emulsifiers for the production of bitumen emulsions, ITERPOWER CA reduces bitumen sedimentation improving the emulsion stability over time.

DOSAGE

Generally 0.1 - 0.3% on the weight of bitumen emulsion*, depending on the type of bitumen used and on the desired performance.

** It is always advisable to determine the optimal percentage through laboratory tests, as it may differ from the indicated ranges.*

COMPOSITION

Inorganic substance.

PROPERTIES

Aspect	flakes
Colour	white

PACKAGING AND STORAGE

Bags.

Store in the original packaging, away from heat sources and sheltered from adverse weather and UV rays.

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ITERPOWER CA

STABILIZING ADDITIVE FOR BITUMEN EMULSIONS

GUIDELINES FOR LABORATORY USE

GENERAL INFORMATION AND WARNINGS

- The following procedure refers to the use of a homogenizer pilot plant with single container and continuous recirculation.
- The water used must be free from organic or mineral impurities.
- All the indicated temperatures may vary depending on the type of bitumen used.

USE

1. Heat the set amount of water at 40 - 50°C in a beaker.
2. Add the set amount of ITERPOWER CA and blend until complete dispersion.
3. Add the set amount of emulsifier, blend the solution keeping the water temperature at about 50°C and stir until the product is completely dispersed.
4. Acidify or basify the aqueous solution.
5. Weigh the set amount of bitumen and keep it at a temperature of 145 - 155°C.
6. Introduce into the plant a washing solution previously prepared with acidified/basified water and a minimum quantity of emulsifier.
7. When the plant is properly rinsed and heated, drain the washing solution.
8. Introduce the aqueous solution and slowly add the bitumen, possibly facilitating the dispersion with a stirrer.
9. Discharge the emulsion through the specific drain.
10. Rinse the mill with the previously prepared washing solution.

GUIDELINES FOR PLANT USE

Proceed with the production of the bitumen emulsion following the corporate procedures, setting the parameters as per laboratory prequalification.

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