



TECHNICAL DATA SHEET AND USER GUIDE

ITERSTAB SF 1058

EMULSIFIER FOR CATIONIC BITUMEN EMULSIONS

GENERAL INFORMATION AND BENEFITS

- ITERSTAB SF 1058 is used for the production of medium/slow setting cationic (acid) bitumen emulsions especially intended for prime coats and cold rejuvenation.
- It is compatible with latexes for the production of elastomerised bitumen emulsions.

DOSAGE

Generally 0.9 - 2.0% on the weight of bitumen emulsion*, depending on its intended use.

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

COMPOSITION

Mixture based on quaternary ammonium.

PROPERTIES

Aspect	liquid
Colour	yellow - orange
Density at 25°C	0.99 - 1.05 g/cm ³
Pour point	≤ 0°C

PACKAGING AND STORAGE

Drums.

Store in the original packaging, away from heat sources and sheltered from adverse weather and UV rays.
Avoid prolonged storage at temperatures below 5°C or above 30°C.

REV 00-19

The above information is based on our current knowledge and experience. Under no circumstances are any warranties expressed or implied. We assume no liabilities as proper use of our products is beyond our control. For safety precautions, please see the product's MSDS.

ITERCHIMICA S.r.l Via G. Marconi 21 | 24040 Suisio (BG) ITALIA | ph+39 035 901121 | Fax +39 035 902734 | N° verde 800179028

Cap Soc. € 1.000.000,00 i.v. | P.I.00226570166 | R.E.A. N°128486 Codice Fiscale e Numero d'iscrizione del Registro delle Imprese di Bergamo 00226570166

Laboratorio iscritto all'Albo dei Laboratori MIUR – Anno 2005 www.iterchimica.it info@iterchimica.it pec@pec.iterchimica.it



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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.
- The acidifier should preferably consist of 32% hydrochloric acid.
- 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 ITERSTAB SF 1058, blend the solution keeping the water temperature at about 50°C and stir until the product is completely dispersed.
3. Acidify the aqueous solution up to pH 1.5 - 2.5.
4. Weigh the set amount of bitumen and keep it at a temperature of 145 - 155°C.
5. Introduce into the plant a washing solution previously prepared with acidified water and a minimum quantity of ITERSTAB SF 1058.
6. When the plant is properly rinsed and heated, drain the washing solution.
7. Introduce the aqueous solution and slowly add the bitumen, possibly facilitating the dispersion with a stirrer.
8. Discharge the emulsion through the specific drain.
9. 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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