



## General product information

Qualifloc BD series products are cationic/ anionic water based dispersion polymers with high molecular weight specifically designed to promote quick solid/ liquid phases separation in waste water treatment plants and process water. Strong coagulating agents for waste water treatment used in settling/ flotation units.

Qualifloc BD series products show enhanced dissolution properties for quick use and on-line dosing applications.

## Qualifloc BD Product Range

Products belonging to the Qualifloc BD series are:

- Qualifloc BD 01 (cationic, high charge, linear chain)
- Qualifloc BD 02 (cationic, very high charge, linear chain)
- Qualifloc BD 03 (cationic, medium charge, linear chain)
- Qualifloc BD 04 CLC (cationic, very high charge, cross-linked chain)
- Qualifloc BD 3030 (anionic, medium charge, linear chain)

## Application Features

Qualifloc BD series products are used to improve solid/ liquid separation in several applications and industrial processes as waste water streams, mining, steel industry, refinery, petrochemical processes.

These products are designed to promote quick solid/ liquid phases separation in waste water treatment plants and process water. Tailored for settling - flotation units, dewatering machines and wherever is required a quick and complete separation of solids from water.

Water phase if left clean allows a discharge at minimum level of residual suspended solids while solid phase is separated with minimum level of residual water.

## Advantages

- Maximize settling rates
- Improve discharged water clarification
- Work over a wide range of pH
- Can be used alone or after a primary inorganic or organic flocculants addition
- High efficiency as sludge conditioning aid
- Improved dissolution properties for on-line dosing

## Application and dosage level

Qualifloc BD series products have improved dissolution properties (compared to traditional emulsions) for on-line dosing of the neat product using static mixers. In alternative, it is also possible to prepare working solution (1-3%) before using.

Typical treatment level (product "as is"):

- Flocculant: 0.5-30 ppm
- Coagulant aids: 1-5 ppm
- Filtration aids: 0.05-1 ppm
- Sludge conditioning aids: 20-600 grams per ton of sludge to be dewatered

For the selection of the correct product from the Qualifloc BD series, accurate dosage level recommendation, sales specifications sheet and MSDS please contact your local Italmatch representative.

Italmatch does have sample kits available for the selection of the most appropriate product (and associated dosage level) from our Qualifloc / Qualipol range.

## Packaging

- **Drums:** 220 - 230 kg
- **IBC:** 1150 - 1200 kg
- **Bulk:** available on request



## Storage and handling

- **Shelf life:** 1 year\*
- **Handling:** Read carefully the Safety Data Sheet of the product before handling
- **Storage:** Storage temperature range 5 – 35°C; avoid frost/ freezing; avoid the exposure to sunlight

\* It is advised to gently homogenize the product before usage.

## More information

If you would like to obtain more detailed information about ITALMATCH - DEQUEST® products or are interested in obtaining a sample for evaluation in your system, please contact your nearest ITALMATCH representative or visit our websites: [www.dequest.com](http://www.dequest.com) or [www.grschemtec.com](http://www.grschemtec.com)

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