

# RHEOTIX 240

## Organic Rheological Additive

### Product Data

#### Special Features and Benefits

RHEOTIX 240 is an organic thixotropic agent used to control the rheological properties of non-aqueous systems. RHEOTIX 240 is generally recommended for processing in heat developing dispersion equipments. For dispersion equipment, which does not develop heat (to maximum of 55°C), and with aliphatic solvents, RHEOCIN is suggested.

#### Benefits

RHEOTIX 240

- shows good thixotropic, thickening and antisetling effect
- promotes pigment and filler suspension
- controls flow and levelling
- controls liquid penetration into porous surfaces
- provides sag and slump control
- provides excellent package stability
- does not react with pigments or binders
- is easy to disperse

#### Recommended Use

- Maintenance Paints
- Hammer Finish Paints
- Epoxy Systems
- Texture and Flamboyant Finishes
- Air and Oven Dry Industrial Finishes
- Stains
- Architectural Finishes
- Antifouling Paints
- Chlorinated Rubber Paints
- Caulking Compounds and Mastics
- Road Marking Paints
- Coatings

#### Composition

organic rheological additive

#### Typical Properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Form:	free flowing white powder
Specific weight:	approx. 0,95 g/cm <sup>3</sup>
Recommended Incorporation:	50 °C-80 °C in aliphatic systems
Temperature:	35 °C-55 °C in aromatic oxygenated and ester type
Bulk Density:	300 ± 20 g/l

### Incorporation and Processing Instructions

RHEOTIX 240 should be added at the beginning of the paint dispersing process preferably by premixing in the solvent/binder for about 5 minutes before other components are added.

For optimum incorporation of RHEOTIX 240 into a paint system, both a lower and upper processing temperature must be observed. These temperature limits are:

- 50 °C-80 °C for aliphatic solvent systems
- 35 °C-55 °C for aromatic, oxygenated and ester type solvent systems

If the upper temperature is exceeded, soft gel-like particles may appear on return to room temperature (seeding). As indicated above, the presence of aromatic, or polar solvents lowers this upper limit. Should this limit be exceeded, the formation of particles can be prevented by a mild continuous stirring on the cool down to 45 °C or below.

Within the prescribed temperature range, RHEOTIX 240 should be subjected to as much shear as possible during processing. The more intense the dispersing or grinding action, the more pronounced and immediate the effect.

### Recommended Levels

The optimum level of RHEOTIX 240 will vary, depending on the type of system involved. In paints, a typical starting level of usage of RHEOTIX 240 is 0.2 % to 0.8 % by weight of the total composition.

The above recommended levels can be used for orientation. Optimal levels are determined through a series of laboratory tests.

#### BYK-Chemie GmbH

P.O. Box 10 02 45  
46462 Wesel  
Germany  
Tel +49 281 670-0  
Fax +49 281 65735

[info@byk.com](mailto:info@byk.com)  
[www.byk.com/additives](http://www.byk.com/additives)

ACTAL®, ADJUST-4®, ADVITROL®, BENTOLITE®, CLAYTONE®, CLOISITE®, COPISIL®, FULACOLOR®, FULCAT®, FULGEL®, FULMONT®, GARAMITE®, GELWHITE®, LAPONITE®, MINERAL COLLOID®, OPTIBENT®, OPTIFLO®, OPTIGEL®, PERMONT®, PURE THIX®, RHEOCIN®, RHEOTIX®, RIC-SYN®, SCP®, TIXOGEL®, Y25® are registered trademarks of BYK Additives.

ANTI-TERRA®, BYK®, BYK®-DYNWET®, BYK®-SILCLEAN®, BYKANOL®, BYKETOL®, BYKJET®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, DISPERBYK®, DISPERPLAST®, LACTIMON®, NANOBYK®, PAPERBYK®, SILBYK®, VISCOBYK®, and Greenability® are registered trademarks of BYK-Chemie. AQUACER®, AQUAMAT®, AQUATIX®, CERACOL®, CERAFAX®, CERAFLOUR®, CERAMAT®, CERATIX®, HORDAMER®, and MINERPOL® are registered trademarks of BYK-Cera.

SCONA® is a registered trademark of BYK Kometra.

This information is given to the best of our knowledge. Because of the multitude of formulations, production, and application conditions, all the above-mentioned statements have to be adjusted to the circumstances of the processor. No liabilities, including those for patent rights, can be derived from this fact for individual cases.

This issue replaces all previous versions – Printed in Germany