

Data Sheet Issue 09/2012

# **ANTI-TERRA-202**

Controlled flocculating wetting and dispersing additive for solvent-borne medium-polar to low-polar thick layer systems and primers to prevent fillers and inorganic pigments from settling and to gel bentonites.

The additive is only available on the North American market.

## **Product Data**

**Composition** Solution of an alkylammonium salt of a polycarboxylic acid Percentage of renewable raw materials: 50 %

### **Typical Properties**

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

Amine value:	51 mg KOH/g
Acid value:	51 mg KOH/g
Density (68 °F):	7.09 lbs/US gal
Non-volatile matter (10 min., 302 °F):	50 %
Solvents:	Stoddard solvent/2-Butoxyethanol 9/1
Flash point:	104 °F

### Food Contact Legal Status

For the current food contact legal status, please contact our product safety department or visit www.byk.com for further information.

### Storage and Transportation

Separation or turbidity may occur at temperatures below 5 °C (41 °F). Warm to 20 °C (68 °F) and mix well.

## **Applications**

### **Coatings Industry**

#### **Special Features and Benefits**

The additive derives its benefits from the systematic, controlled flocculation of pigments. This also prevents sagging and keeps the pigments from settling as well as flooding and floating. ANTI-TERRA-202 is suitable for medium-polar to low-polar solvent-borne and solvent-free coating systems and significantly increases thixotropy. It can often improve anticorrosive properties when used in protective coating primers. ANTI-TERRA-204 is a very similar product, which is also suitable for non-polar systems.

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#### **Recommended Use**

Architectural coatings	
Coil coatings	
Protective coating systems	

especially recommended recommended

#### **Recommended Levels**

Amount of additive (as supplied) based upon pigment:

Inorganic pigments: 1-2 % Titanium dioxide/Fillers: 0.5-1 % 30-50% Bentonites:

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

#### **Incorporation and Processing Instructions**

For optimum performance, the additive must be incorporated into the millbase before addition of pigments. The following suggested formulation can be used to gel bentonites:

85-87 parts (by weight) solvent 10 parts (by weight) betonites 5-3 parts (by weight) additive

The solvent must either be an aromatic or white spirit with aromatics. If the gelling effect is not sufficient, polar solvents may be added to increase it.

#### **Special Note**

Discolorations may occur in coatings based on cellulose nitrate, chlorinated rubber, and PVC copolymers. Silicate coatings have a shortened pot life. High levels may affect pot life and curing in epoxy systems. The additive's high amine value can lead to increased viscosity in the epoxy resin.

BYK USA Inc. 524 South Cherry Street P.O. Box 5670 Wallingford, CT 06492 USA Tel 203 265-2086 Fax 203 284-9158

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