

ANTI-TERRA-203 SG

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.

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.

Density (20 °C):	0.89 g/ml
Non-volatile matter (10 min, 150 °C):	50 %
Solvents:	Solvent Naphtha
Flash point:	46 °C
Acid value:	51 mg KOH/g
Amine value:	51 mg KOH/g

Storage and transportation

Separation or turbidity may occur at temperatures below 5 °C. Warm to 20 °C 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-203 SG 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 SG is a very similar product, which is also suitable for non-polar systems.

Recommended use

Coil coatings	<input type="checkbox"/>
Protective coating systems	<input type="checkbox"/>

■ especially recommended □ recommended

Recommended levels

Amount of additive (as supplied) based upon pigment:

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

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

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) bentonites
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.



**Your local
contact**

BYK-Chemie GmbH
Abelstraße 45
46483 Wesel
Germany
Tel +49 281 670-0
Fax +49 281 65735

info@byk.com
www.byk.com

ADD-MAX®, ADD-VANCE®, ANTI-TERRA®, AQUACER®, AQUAMAT®, AQUATIX®, BENTOLITE®, BYK®, BYK-AQUAGEL®, BYK-DYNWET®, BYK-MAX®, BYK®-SILCLEAN®, BYKANOL®, BYKCARE®, BYKETOL®, BYKJET®, BYKO2BLOCK®, BYKONITE®, BYKOPLAST®, BYKUMEN®, CARBOBYK®, CERACOL®, CERAFAK®, CERAFLOUR®, CERAMAT®, CERATIX®, CLAYTONE®, CLOISITE®, DISPERBYK®, DISPERPLAST®, FULACOLOR®, FULCAT®, GARAMITE®, GELWHITE®, HORDAMER®, LACTIMON®, LAPONITE®, MINERPOL®, NANOBYK®, OPTIBENT®, OPTIFLO®, OPTIGEL®, POLYAD®, PRIEX®, PURABYK®, PURE THIX®, RECYCLOBLEND®, RECYCLOBYK®, RECYCLOSSORB®, RECYCLOSTAB®, RHEOBYK®, RHEOCIN®, RHEOTIX®, SCONA®, SILBYK®, TIXOGEL® and VISCOBYK® are registered trademarks of the BYK group.

The information herein is based on our present knowledge and experience. The information merely describes the properties of our products but no guarantee of properties in the legal sense shall be implied. We recommend testing our products as to their suitability for your envisaged purpose prior to use. No warranties of any kind, either express or implied, including warranties of merchantability or fitness for a particular purpose, are made regarding any products mentioned herein and data or information set forth, or that such products, data or information may be used without infringing intellectual property rights of third parties. We reserve the right to make any changes according to technological progress or further developments.

This issue replaces all previous versions.