

## Technical Data Sheet

Last revised: 01-2019

### DELTA-S® 5220

**DELTA-S® 5220** is a multi-functional dispersion control additive to stabilize all kinds of pigments and extenders in water- and solvent-based systems. Due to the absence of solvents, **DELTA-S® 5220** can be used as a wetting and dispersing agent for VOC-free applications. It is specially designed to make the polar ingredients of universal colorants, which are used in non-polar solvent-based white paints more compatible. **DELTA-S® 5220** is suitable for **coatings**.

#### **Specifications:**

Composition	: Fatty acid-based polymer
Amine value	: 30-40 mg KOH/g
Acid value	: 18-26 mg KOH/g
Appearance	: Dark brownish liquid
Active ingredients	: >98%

Methods of analysis can be received upon request

#### **Applications and usage:**

##### Coatings

**DELTA-S® 5220** stabilizes organic and inorganic pigments and extenders in water- and solvent-based systems. Flooding and floating in pigment mixtures are reduced and storage stability of the system is increased.

**DELTA-S® 5220** is the product of choice for easy dispersion of transparent iron oxides in any resin system.

It makes polar ingredients of universal colorants more compatible with non-polar solvent-based paints into which they may be incorporated.

Using **DELTA-S® 5220** can result in:

- Maximum color development of the colorant (based on **DELTA-S® 5225**)
- Optimum color acceptance of universal colorants in the base paints

When using universal colorants for architectural paints, the addition of **DELTA-S® 5220** to the base paints (water- or solvent-based) can increase drastically compatibility and color acceptance (prevents “de-wetting” or “surfactant stripping”).

**DELTA-S® 5220** is suitable for the preparation of slurries and is often added along with other dispersion control additives to reduce mill-base viscosity.

When used in coil and wood coatings (mainly white), wetting and gloss are improved, mill-base viscosity is reduced and flooding/floating is prevented. In addition, no yellowing is caused.

**DELTA-S® 5220** is suited for the preparation of matting agent dispersions.

**DELTA-S® 5220** can be incorporated in the mill-base before adding the pigments/extendors or used as post-additive.

<u>In the mill-base</u>	: <u>05.0-10.0%</u> on inorganic pigments
	: <u>10.0-20.0%</u> on organic pigments
	: <u>03.0-05.0%</u> on titanium dioxide
<u>Post-addition in bases</u>	: <u>0.5-1.5%</u> on total base weight



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### **Safety and Handling:**

**DELTA-S® 5220** should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

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### **Storage:**

**DELTA-S® 5220** should be stored in a cool dry place. When kept in an original unopened container, it will keep up to 5 years from the date of manufacture. The production date is indicated on the container.

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### **Packaging:**

60 kg and 200 kg non-returnable metallic containers.

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