



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/extenders or used as post-additive.

In the mille-base

:05.0-10.0% on inorganic pigments

:10.0-20.0% on organic pigments

:03.0-05.0% on titanium dioxide

Post-addition in bases

:0.5-1.5% 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.

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.

Packaging:

60 kg and 200 kg non-returnable metallic containers.
