

Technical Data Sheet

Last revised: **01-2019**

DELTA-DC® 3011

DELTA-DC® 3011 is a multi-purpose high molecular weight wetting and dispersing additive for solvent-based coatings. It prevents reflocculation of pigments through steric hindrance and therefore stabilizes the color strength and hue of pigments in paints and pigment concentrates. Due to its particularly good combination of price and performance, **DELTA-DC® 3011** is a very attractive substitute for conventional wetting and dispersing agents.

Specifications:

Composition	: Modified polyurethane
Solvent(s)	: Butylacetate/methoxypropylacetate/s-butanol
Specific gravity @ 20°C	: ca. 0.99 g/cm ³
Flashpoint	: 24 °C
Amine value	: 10-17 mg KOH/g
Acid value	: 25-33 mg KOH/g
Active ingredients	: 58-62%

Methods of analysis can be received upon request

Applications and usage:

Coatings

DELTA-DC® 3011 is a multi-purpose high molecular weight wetting and dispersing agent for all solvent-based paints from high performance industrial coatings to normal decorative paints.

It improves pigment wetting, reduces the time required for the grinding process and improves gloss and levelling.

This cost-effective additive prevents possible co-flocculation of different pigments leading to high color strength and good flow. Due to its high molecular weight and resin-like structure, **DELTA-DC® 3011** does not influence paint binder durability.

DELTA-DC® 3011 is well-suited for use in universal solvent-based pigment concentrates, particularly where cost-effective performance is vital.

DELTA-DC® 3011 can be used in the following applications:

- Industrial coatings based on acrylic/isocyanate, polyester/isocyanate and epoxy/polyamine.
- Coatings based on acrylic/melamine and polyester/melamine.
- Resin-containing pigment concentrates with inorganic and organic pigments; and carbon blacks.
- Wood and furniture coatings based on polyester/isocyanate, acrylic/isocyanate and unsaturated polyesters.
- Thermoplastic acrylics

DELTA-DC® 3011 should be incorporated in the mill-base before adding the pigments.

Inorganic pigments	: <u>10% of oil absorption value (solid form)</u>
Organic pigments	: <u>30-50% of BET value (solid form)</u>
Carbon blacks	: <u>15-25% of DBP value (solid form)</u>



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Safety and Handling:

DELTA-DC® 3011 should be handled in accordance with good industrial practice. Detailed information can be found in the Safety Data Sheet.

Storage:

DELTA-DC® 3011 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:

50 kg and 200 kg non-returnable metallic containers.
