



ADVANCED MATERIALS FOR INDUSTRY Phone: 678-821-3273 Fax: 678-821-3255
Additives & Colors

PRODUCT DATA SHEET

COAG-40

Thixotrope for PVC Plastisol Phthalate Free

Applications

- Dip Coatings
- Cloth Coatings
- Underbody Sealants
- Screen Printing Inks
- Coil Coatings
- Pigment Dispersions

Performance

COAG-40 controls sag and pigment settling in PVC plastisol coatings and sealants with a Thixotropic effect by creating a more shear-thinning rheological behavior. This means that the flow and ease of application are not affected. **COAG-40** can simply be stirred into the formulation. The gel structure is not broken down by heat, giving sag control at all temperatures, even during the gelation process. **Stable viscosity is reached in minutes, not hours or days** as can be the case with other products such as precipitated and fumed silicas.

COAG-40 has the following advantages:

- Excellent sag control at all temperatures
- Maintains good flow
- Prevents “strike-through” in textile coatings
- Post-addable: may be used to adjust final viscosity
- Effective anti-settling additive.
- No dusting as with Silicas and similar products
- Excellent resting viscosity.

Incorporation

COAG-40 is supplied as a soft gel and may be added either at the compounding or the post-addition stage of the formulation, using normal stirrers or mixers.

Formulations containing **COAG-40** should be optimized to obtain best sag control and flow. In many cases this requires removal of some plasticizer from the formulation.

Addition Levels

COAG-40 should be used at between 0.5 and 2 percent on total formulation weight.

Typical Properties

Appearance	Light Brown gel
Chemical Type	Calcium sulphonate complex
Brookfield Viscosity	57,000 (spindle no. 5 at 4 rpms)
Density (lb/gal) @ 25°/77°F	8.15-9.5

Packaging and storage

COAG-40 is supplied in open-top drums and 5 gallon pails. It should be stored in the original, closed container at temperatures between 40 and 85°F. Shelf life: At least 12 months from the date of shipment. After this, product should be tested before use.

Regulatory Status- Please refer to the MSDS