DISPARLON® 6900-20X
(Anti-sagging/Anti-settling agent)

DISPARLON 6900-20X is a thixotropic agent in paste form consisting of a dispersion of swollen particles of a unique synthetic amide wax. It is easily incorporated into many vehicles and/or solvent and develops an exceptionally strong and long retained thixotropic structure.

ADVANTAGES
- Highly shear thinning resulting in superior application properties
- Superior anti-settling agent for heavy pigments and metallics
- Metallic and pearlescent pigment orientation to reduce mottling and improve flip/flop
- Exceptional anti-sag properties in high film build applications
- Excellent shelf stability

APPLICATIONS
6900-20X is particularly recommended for suspension and anti-sag in enamels and clear topcoats which require maximum gloss. 6900-20X can be used in almost all solvent based synthetic resin paints and coatings, including alkyls, urethanes, epoxies, acrylics, acrylic/melamines, acrylic/urethanes, tar/epoxies, chlorinated rubber, vinyls, oil-free alkyls, unsaturated polyesters and acid-cured alkyls. 6200-20X is recommended for both high solids and conventional systems.

INCORPORATION
6900-20X is a paste consisting of activated particles in solvents. To obtain optimum activity, it is important to disperse 6900-20X without destroying the original particles. It is preferred to disperse the additive with limited shear in a short period of time.

Additive levels
- For anti-settling: 0.5 ~ 2.0 % by wt.
- For anti-sagging: 2.0 ~ 5.0 % by wt.

The information on use is based on data which are believed reliable, but any recommendation or suggestion made are without guarantee or warranty, since the conditions of use are outside our control. All products are sold on the conditions that purchasers shall make their own tests to determine the suitability of such products for their purpose and that all risks are assumed by user. We disclaim any responsibility for damages resulting from careless or improper handling or use. Nothing herein is to be taken as permission, inducement or recommendation to practice any patented invention without a license. See MSDS for safety handling before to use.
Method

● Post addition
Add in a finished paint and disperse with a high speed dissolver. To enable you to use this method, the paint worked on should have an initial viscosity of less than 70KU. The dissolver should be run at high speed with care taken so as to minimize air entrapment. This method is applicable to almost all types of low viscosity paints.

● Addition after Master batch preparation
A master batch may be prepared by dispersing the paste in a vehicle and/or solvent which can be added to the finished paint. This method is preferred for paints that are required to give a high quality surface and for metallic and flat paints formulated with specialty pigment such as aluminum powder, flatting agents, and zinc dust.

Use of a master batch is also recommended as an effective way to introduce thixotropy into unsaturated polyester coatings or clear varnish coatings. For preparation of a master batch, the following recipe can be used: Resin / Solvent / 6900-20X = 30% / 50% / 20%
The above mix is dispersed gently on Cowles type dissolver or three roll mill, until it reaches a particle size of 20 μ or less.

TYPICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>Light yellow paste</th>
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</thead>
<tbody>
<tr>
<td>Non-volatile matter</td>
<td>20 % by wt.</td>
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<tr>
<td>Solvent</td>
<td>Xylene/Ethanol/Methanol</td>
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</tbody>
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CAUTION

6900-20X can cause poor recoatability when used in oil based paints such as oil modified alkyds and alkyd melamines that are force dried or baked. Therefore 6900-20X is not recommended for use in these systems.

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