

DISPARLON

1/2P

October 2019

DISPARLON 6500

(Anti-Slumping agent)

DISPARLON 6500 is a strong thixotropic agent based on amide wax and recommended for non-solvent as well as non-polar systems. Unlike hydrogenated castor wax products, **6500** permits incorporation at higher temperatures and functions as a strong anti-slumping agent without seeding.

ADVANTAGES

- Excellent cost/performance
100 % active and can produce a strong thixotropic structure free from slumping.
- High production efficiency
Permits incorporation on high speed grinding equipments at higher temperature without causing seeding, which is not allowed for hydrogenated castor wax products. No overnight standing required.
- Thixotropy with good heat resistance and stability on ageing.
6500 assures good shelf stability and does not cause seeding, nor loss of effect. **6500** is used in adhesives to prevent slumping due to high temperature.

APPLICATIONS

For sealant and adhesives

6500 is used in sealant such as Oil based, Urethane, Silicone and Thiokol etc. as anti-slumping agent and quite effective at higher temperature during application and thereafter.

In Synthetic rubber, Epoxy, Acrylic/Cyanamide adhesives it prevents settling of extenders and prevents phase separation. When used in rubber adhesives for laminating decorative films to plywood panels, **6500** prevents the penetration of the adhesive into wood substrate without reducing initial bonding strength at heat pressing.

INCORPORATION

6500 is usually added at pre-mixing and is swollen when the mixture is dispersed at activation temperature. This product, unlike castor waxes, permits incorporation on heat generating high speed grinding equipment and does not require overnight standing for full rheology development.

Additive levels

For sealant and adhesives : 0.6 ~ 2.0 % by weight on total formulation.



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Method

- Use in non-polar solvent systems

6500 is designed to be dispersed on heat generating high speed grinding equipments to activate at 50~80°C. Such equipment include Sand mill, Attritor, Dyno mill, high speed dissolver, etc. Activation temperature can vary depending on the solvent and resin used and their ratio. Prior tests are therefore required to ascertain optimum dispersing temperature.

- Use in non-solvent systems

Again there could be some variation in dispersing temperature depending on the vehicle and its content. 70 ~100°C is suggested for swelling and dispersing **6500** in non-solvent systems.

TYPICAL PROPERTIES

Appearance : White to light yellow fine powder
Melting point : Approx. 123°C
Fineness of dispersion : Max .30 μ

CAUTION

In paint and coatings.

6500 can sometimes cause poor recoatability or intercoat adhesion when this products is used in paint and coatings. Therefore, thorough preliminary test is absolute.



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