

Additives for coatings and printing inks
DISPARLON[®]

May 2012

DISPARLON[®] A670-20M
(Anti-sagging/Anti-settling agent)

DISPARLON A670-20M is a dispersion of swollen particles of a unique synthetic polyamide wax, dispersed in a mixture of mineral spirits and a low odor alcohol. It is easily incorporated into many vehicles and/or solvents and develops an exceptionally strong and long lasting thixotropic structure.

ADVANTAGES:

- Mild solvent blend.
- Highly shear thinning.
- Excellent spraying and brushing properties.
- Strong anti-sagging/anti-settling properties with excellent stability on aging.
- Suitable for use in difficult applications including varnishes and stains.

APPLICATIONS

Because of the mild solvent blend used in DISPARLON A670-20M, it is especially recommended for use in architectural and trade sales coatings and other systems with relatively low odor requirements. DISPARLON A670-20M is very effective as an anti-settling agent for flattening silica in oil modified urethane coatings, and as an anti-settling agent for inorganic pigments in low viscosity stains.

INCORPORATION

A670-20M is a paste of activated particles in solvents. To obtain optimum performance, it is important to disperse without destroying the original particles. It is preferred is to disperse the additive with limited shear in a short period of time.

Additive levels : 2.0 ~ 5.0 % by wt.

Method

● Post addition

Add at let down and disperse on high speed dissolver. To enable you to use this method, the paint should have an initial paint 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 in pre-mix

For higher viscosity paints such as heavy duty types, add into the pigment pre-mix for coarser dispersion and grind the pre-mix on Sand grind mill, Attritor or Dyno mill to a homogeneous dispersion. Care must be taken to avoid a prolonged dispersing. This method is widely accepted because of its



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TYPICAL PROPERTIES

Appearance	Light yellow paste
Non-volatile matter.....	20 % by wt.
Solvent	Mineral spirits/Benzyl alcohol

CAUTION

A670-20M can cause poor recoatability when this product is used in forced dry or baking Oil based paints, Oil modified alkyds such as Melamine alkyd. Therefore **A670-20M** is not recommended for use in these systems.

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