

Technical Data Sheet

Dynoadd[®] F-101

Levelling additive for solvent borne and radiation curing coatings

- Excellent flow and levelling
- Improves substrate wetting
- Eliminates craters and pinholes
- Compatible in polar systems
- Non-silicone
- Non-VOC

Properties

Dynoadd[®] F-101 is a polymeric, non-silicone flow and levelling agent. It reduces the surface tension in non-solvent and solvent based coating systems, thus improves substrate wetting. Surface defects like craters, cissing and pinholes are eliminated. Dynoadd[®] F-101 is more polar than Dynoadd[®] F-100. Dynoadd[®] F-101 gives improved protection against surface defects in radcure formulations. The higher polarity contributes to good pigment wetting and improved adhesion in some systems.

Typical applications / dosage

Coil coatings	0.1% - 1.0%
Automotive/OEM	0.05% - 0.3%
Printing Inks	0.1% - 2.0%
Radcure coatings	0.05% - 0.5%

The additive is compatible with most solvent-borne and non-solvent coating systems independently of lacquer chemistry. However, Dynoadd[®] F-101 is seen to have an extra advantage in polar lacquer systems due to its polar properties. It may be used in all layers in multi-layered systems.

Method of addition

Addition is usually in the let down stage. Dividing the addition of Dynoadd[®] F-101 between the pigment dispersion and the let down can improve pigment wetting and hiding power.

Solubility

Dynoadd[®] F-101 is completely soluble in solvents like aromatic hydrocarbons, glycol ethers, esters, alcohols and aliphatic hydrocarbons. It is not soluble in water.

Delivery Form

Liquid polymer (100%).

Technical data

Parameter	Typical value	Method
Appearance	Clear liquid	Subjective
Viscosity mPa.s. 23°C	3400	DIN 53019
Refractive Index nD20	1.467	ISO 5661
Specific gravity 25/4°C	1.069	ISO 15212-1

Regulatory Status

EU-REACH-Dynoadd F-101 is EU-Reach compliant

A complete regulatory status of this product can be obtained upon request.

Storage stability

Storage stability is three years from the date of production when stored at temperatures below 25°C in closed containers.

Packaging

Material	Type	Kg Net	Item no.
PE	IBC	1000	F120620
Steel	Drum	200	F120655
Steel	Pail	25	F120670