

Technical Data Sheet

Dynoadd[®] F-1

Anti-crater and flow additive

- Excellent flow and levelling
- Improves substrate wetting
- Eliminates craters and pinholes
- Eliminates overspray cratering
- Non-silicone

Properties

Dynoadd[®] F-1 is a polymeric, non-silicone general-purpose flow and anti-crater additive for solvent-borne coatings. It lowers surface tension in coating formulations, thus improves substrate wetting. Surface defects like craters, cissing and pinholes are eliminated. Dynoadd[®] F-1 has limited, but balanced compatibility with most backbone resins, and has defoaming properties in many formulations. Dynoadd[®] F-1 is an excellent choice in multiple-layer coatings.

Typical applications / dosage

Industrial coatings	0.1% - 1.0%
Coil coatings	0.1% - 1.0%
Automotive OEM	0.02% - 0.3%
Printing Inks	0.1% - 2.0%
Wood coatings	0.1% - 1.0%

The additive is compatible with most solvent-borne and non-solvent coating systems independently of lacquer chemistry. 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-1 between the pigment dispersion and in the let down can improve pigment wetting and hiding power.

Solubility

Dynoadd[®] F-1 is completely soluble in solvents like aromatic hydrocarbons, glycol ethers, esters and alcohols. It has a limited solubility in aliphatic hydrocarbons, and 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	5600	DIN 53019
Refractive Index nD20	1.466	ISO 5661
Specific gravity 25/4°C	1.060	ISO 15212-1

Regulatory Status

EU-REACH-Dynoadd F-1 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	F120120
PE	IBC Ex	1000	F120140
Steel	Drum	200	F120158
Steel	Pail	25	F120170