

Technical Data Sheet

Dynoadd[®] D-960

Pigment dispersing agent for water-borne formulations

- **Fast grinding time**
- **Excellent viscosity reduction**
- **High colour strength and gloss**
- **Good pigment paste stability**
- **VOC and label free**

Properties

Dynoadd D-960 is a non-ionic, structured polymeric dispersing agent with excellent pigment affinity and effective steric stabilisation. The structured polymer is particularly suitable for dispersion of carbon black and organic pigments in aqueous media. Dynoadd D-960 gives rapid initial pigment wetting and deflocculation giving stable dispersions with low particle size. Pigment dispersions produced using Dynoadd D-960 have low viscosity, have Newtonian rheology and give excellent colour strength, stability and gloss in a wide variety of water-borne industrial coatings and printing inks.

Typical applications / dosage

Dynoadd D-960 is suitable for use in water-borne pigment dispersions for applications such as;

- Automotive Coatings
- Industrial Coatings
- Wood Coatings
- Printing inks

The following are recommended levels of addition and are calculated on additive as supplied on weight of dry pigment;

- Carbon black: 120 – 200%
- Organic pigments: 50 – 100%
- Inorganic pigments: 5 – 30%

Solubility

Dynoadd is fully soluble in water, ethanol, isopropanol and acetone.

Delivery Form

Structured, non-ionic polymer, 40% in water

Technical data

| Parameter | Typical value | Method |
|-------------------------|---------------------------|-------------|
| Appearance | Clear, pale yellow liquid | Subjective |
| Viscosity mPa.s. 23°C | 70 | DIN 53019 |
| Refractive Index nD20 | 1,3940 | ISO 5661 |
| Specific gravity 25/4°C | 1,060 | ISO 15212-1 |

Regulatory Status

EU-REACH-Dynoadd D-960 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 frost free and at temperatures below 25°C in closed containers.

Packaging

| Material | Type | Kg Net | Item no. |
|----------|--------|--------|----------|
| PE | IBC Ex | 1000 | |
| PE | Drum | 200 | |
| PE | Cans | 25 | |