

**INDUSTRIAL
COATINGS
ADDITIVES**

dynoadd[®]
by dynea

Dynoadd D-960
Pigment Dispersing
Agent

Pigment Dispersing
Agent

Dynoadd D-960

Dynea AS
PO Box 160,
2001 Lillestrøm, Norway

Phone: +47 63897100
Email: dynoadd@dynea.com
Web: www.dynoadd.com
Dynea Leaflet-v1.2


dynea[®]

*A Different
Approach*

Dynoadd D-960

Dispersing agent for water-borne formulations

Benefits

- ✓ **High jetness carbon black**
- ✓ **Cost efficient**
- ✓ **Excellent viscosity reduction**
- ✓ **High colour strength and gloss**
- ✓ **Excellent pigment paste stability**

Dynoadd D-960 is a novel non-ionic, structured polymeric dispersing agent with excellent pigment affinity and effective steric stabilisation. Designed with high end carbon blacks in mind to achieve optimum jetness and excellent wetting and stability.

Key properties of water-borne resin-free pigment concentrates*

Pigment	Pigment loading (%)	D-960** (wt%, solids on pigment)	Viscosity (mPa s)
Orion FW200	15	70	24
Emperor 2000	18	70	27
Special Black 4	25	50	48

*Prepared according to ISO 8780-2:1990

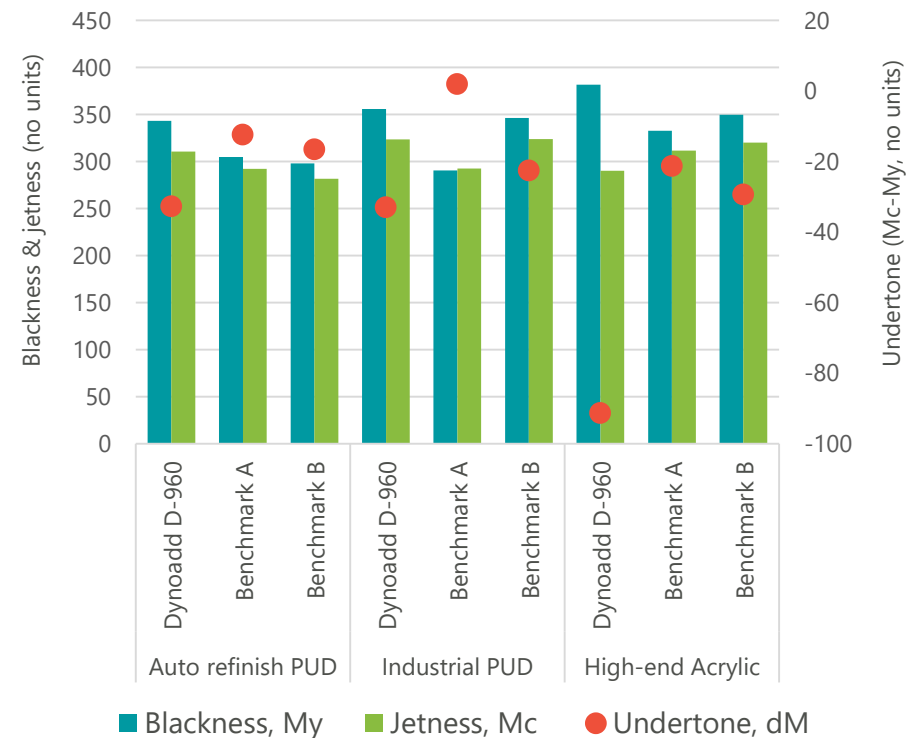
**Dynoadd D-960 is supplied at 40% active content

The graph opposite shows blackness, jetness and undertone results for D-960 with Emperor 2000 versus two benchmark products in 3 different coatings (10% PP loading, 3.6% carbon black in final coating).

Benchmark A: High-end controlled radical polymerisation polymer

Benchmark B: Non-ionic dispersing agent extensively used with carbon black

Emperor 2000 performance



Applications & Performance

Pigment pastes produced using Dynoadd D-960 have good resin compatibility across a wide variety of water-borne automotive, industrial and printing ink formulations.

Dynoadd D-960 gives pigment dispersions with low particle size that deliver good colour strength across wide variety of organic pigments. In the case of carbon black high jetness with excellent undertone properties are readily obtained.