

Anti-sagging Agent

GENERAL INFORMATION

DAPRO BEZ 75 is used in non-aqueous coatings as an effective auxiliary to fight settling and sagging. It is particularly useful in aromatic-free formulations.

PHYSICAL PROPERTIES

Appearance	: clear liquid
Active content	: approx. 77 – 78%
pH, 10% solution in water (ASTM D 1172)	: 6.5 – 7.5
Density 20°C (ISO 2811-2)	: approx. 1040 kg/m ³
Viscosity, 25°C (DIN 53015)	: max. 1000 mPa.s
Solubility	: soluble in water
Composition	: surface active agent, aromatic free.

APPLICATION AND PROPERTIES

DAPRO BEZ 75 can be used in most non-aqueous coatings e.g. air-dried alkyd, alkyd-melamine, acrylic, nitrocellulose, chlorinated rubber and epoxy coatings. It is suitable also for wash primers and high-solid paints. According to experience, DAPRO BEZ 75 cannot be applied to systems containing zinc-powder.

- As anti-settling agent:
DAPRO BEZ 75 counteracts the formation of a hard, un-stirrable sediment during storage. The effectiveness of DAPRO BEZ 75 as an anti-settling agent is shown especially in industrial primers and dipping varnishes.
- As anti-sagging agent:
DAPRO BEZ 75 improves sag resistance in dipping varnishes, spray paints and in varnishes applied by brush. DAPRO BEZ 75 remains active even after extended storage.
- Other applications and properties:
DAPRO BEZ 75 gives a thixotropic character to coatings, even if the product is post added. DAPRO BEZ 75 improves the brushability and if added to the pigment paste before the dispersing process, has a positive influence on the wetting and dispersing of the pigment.

DAPRO BEZ 75 can be applied as a swelling and wetting agent for various types of organoclay thickening agents. By using DAPRO BEZ 75 instead of a polar activator like methanol/water, soft easily workable yet activated BENTONE® pastes are obtained.

We recommend the following composition:

85%	White spirit
10%	BENTONE 34 organoclay
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5%	<i>after approx. 3 min. dispersing add:</i> DAPRO BEZ 75
	<i>mix for approx 7 min.</i>
100%	BENTONE 34 paste to be used after 24 hours

Feature	Consequence
• liquid	- easy addition, may be post-added as a corrective agent
• imparts a thixotropic character to the paint	- reduces paint sagging after application - reduces sedimentation improves brushability
• anionic character	- aids the production of BENTONE organoclay pastes.

INCORPORATION

DAPRO BEZ 75 can be added at any stage of the coating manufacture. However, when used as an anti-settling agent, we recommend the addition before the dispersing process, as this will result in better distribution of the product on the pigment. In most cases good results are obtained at a concentration of 0.2 – 1.0 %, calculated on the total quantity of the paint. We recommend to determine the optimum dosage in each case individually.

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HEALTH AND SAFETY DATA

Before using this product please consult our Material Safety Data Sheet (MSDS) for information on safe handling and storage. MSDS can be found on the company website at www.elementis-specialties.com.

SHELF LIFE

DAPRO BEZ 75 has a shelf life of 3 (three) years from date of manufacture.

QUALITY ASSURANCE

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

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