

## BYK-155/35

Sodium polyacrylate-based dispersing additive for pigment stabilization in aqueous emulsion paints and thinner for water-based drilling fluids.

The additive is not available on the North American market. Instead, use BYK-153 or BYK-155/50, which only differ with respect to the non-volatile content.

### Product data

#### Composition

Solution of a sodium salt of an acrylic acid copolymer

#### Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Density (20 °C):	1.19 g/ml
Non-volatile matter (20 min, 150 °C):	35 %
Solvents:	Water
Acid value:	25 mg KOH/g
Amine value:	125 mg KOH/g

#### Storage and transportation

The product may solidify below 5 °C. Heat to 20 °C and stir.

### Applications

#### Water-based drilling fluids

##### Special features and benefits

- Meets industry expected performance
- Economical
- Does not require pH adjustments to function
- Quickly reduces high rheological values due to excess drill solids
- Yield point and gel strengths can be reduced without dilution
- Can reduce fluid loss and improve filter cake quality
- Minimized non-productive time (NPT) spent conditioning the drilling fluid

**Recommended use**

All water-based muds that will be subjected to temperatures under 175 °C.

**Recommended levels**

0.70–1.40 kg/m<sup>3</sup> additions should be adequate for most formulations and drilling conditions.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

BYK-155/35 can be incorporated directly into the mud system. Minimal agitation is required. Pilot testing prior to use on the rig is highly recommended to avoid over treatment of the mud.

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This issue replaces all previous versions.