TECHNICAL INFORMATION

Rheology modifier for aqueous systems

Composition: Nonionic polyurethane in butyltriglycol / water, APE-, VOC- and organotin free

Appearance: liquid

Colour: yellowish, turbid

Typical Properties:
- Active ingredients: approx. 20 %
- Density at 20°C: approx. 1.06 g/cm³
- Solubility in water: dispersible in water by strong mixing, results in a turbid gel
- pH (2% in dist. water): approx. 7

This information is intended as a guideline only and should not be used to issue specifications. Slight deviations do not affect application and capability of the product. For specifications please consult the Certificate of Analysis.

Properties/applications:
TAFIGEL PUR 65 is an associative thickener which builds up and stabilizes viscosity by forming a network between polyurethane, binder molecules and other paint ingredients. TAFIGEL PUR 65 provides strong pseudoplastic rheological profile with excellent shear thinning characteristics. It can be used alone or in combination with other TAFIGEL thickeners, as well as with further thickener technologies. TAFIGEL PUR 65 is designed for use in industrial coatings. It is also recommended for following systems:
- Interior and exterior paints, latex paints, anti-corrosive paints, emulsion plasters, adhesives and putties.

Advantages of using TAFIGEL PUR 65:
- high sag resistance
- good flow, leveling and gloss
- excellent atomization for spray application
- can be used over a wide pH range

The performance of polyurethane thickeners is affected by many factors including binder type, co-solvents, coalescing agents, surfactants/wetting agents, pigments and flattening agents. The interactions of TAFIGEL PUR 65 with these compounds allow varied possibilities for rheology adjustment.

Recommended levels/use:
TAFIGEL PUR 65 can be added undiluted to the coating formulation. Ladder studies are recommended to determine optimum levels. Normal dosage ranges from 0.3 - 2 % on total formulation.

Storage/handling:
TAFIGEL PUR 65 is not sensitive to freezing. The product should be stored cool and dry. During storage an invisible separation may occur. Consequently TAFIGEL PUR 65 has to be stirred properly before use. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging:
Totes holding 1000 kg net, drums holding 150 kg net or kegs holding 30 kg net.