

TAFIGEL® PUR 62

TECHNICAL INFORMATION

Rheology modifier for aqueous systems

Composition:	Non-ionic polyurethane in butyltriglycol/water, APE- and VOC-free	
Appearance:	liquid	
Colour:	white, turbid	
Typical Properties:	Active ingredients:	approx. 32 %
	Density at 20°C:	approx. 1.05 g/cm ³
	Solubility in water:	dispersible in water by strong mixing, results in a turbid gel
	pH (2% in dist. water):	approx. 6.5

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 62 is designed as an "associative thickener" which builds up and stabilizes viscosity by forming a network between polyurethane, binder molecules and other paint ingredients. TAFIGEL PUR 62 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 62 is recommended 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 joint fillers.

Advantages:

- high sag resistance
- thickening independent of pH
- good flow, leveling and gloss
- excellent atomization for spray application

The thickening effect of polyurethane thickeners can be affected by many factors including binder type, co-solvents, coalescing agents, surfactants/wetting agents, pigments and flattening agents. The interactions of TAFIGEL PUR 62 with these compounds allow varied possibilities for rheology adjustment.

Recommended levels/use: TAFIGEL PUR 62 can be added undiluted to the grind and before adding the binder. For post addition, the preparation of a masterbatch is possible with water or suitable water/co-solvent mixture (e.g. /butyl-triglycol, di-propyleneglycol-mono-methyl-ether or propyleneglycol-n-butyl-ether/water). Ladder studies are recommended to determine optimum levels. Normal dosage ranges from 0.3 - 2 % on total formulation.

Storage/handling: TAFIGEL PUR 62 is not sensitive to freezing. The product should be stored cool and dry. During storage a creamy layer is formed on the surface. Consequently TAFIGEL PUR 62 has to be stirred properly before use. The minimum shelf life in closed containers is 15 months from the date of manufacture.

Packaging: Drums holding 155 kg net or kegs holding 25 kg net.

Our technical suggestions are based on data from many experiments and cannot represent a warranty of any kind as to their performance in other formulations. Customers must always verify our product's performance in their own systems. This technical data sheet replaces all previous issues.

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