

TAFIGEL® PUR 85

TECHNICAL INFORMATION

Rheology modifier for aqueous systems

Composition:	Non-ionic polyurethane in water, APE-, VOC- and organotin free	
Appearance:	liquid	
Colour:	white, turbid	
Typical Properties:	Active ingredients:	approx. 25 %
	Density at 20°C:	approx. 1.04 g/cm ³
	Solubility in water:	dispersible in water, results in turbid solutions
	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 85 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 85 can be used alone or in combination with other TAFIGEL thickeners, as well as with further thickener technologies. Aqueous gloss paints, thickened with TAFIGEL PUR 85 show minimal pseudoplasticity, similar to the rheology of solvent borne systems. TAFIGEL PUR 85 is recommended for use in following systems: Interior and exterior paints, latex paints, anticorrosive paints, adhesives, and printing inks.

Advantages of using TAFIGEL PUR 85:

- thickening independent of pH
- excellent flow, leveling and gloss
- good spatter resistance
- excellent colour acceptance on tinting

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 85 with these compounds allow varied possibilities for rheology adjustment.

Recommended levels/use: TAFIGEL PUR 85 can be added at any time during the manufacturing process. The predilution with water is in most cases not necessary. Ladder studies are recommended to determine optimum level. Normal dosage ranges from 0.3 - 2 % on total formulation.

Storage/handling: TAFIGEL PUR 85 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 85 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, drums holding 150 kg net or kegs holding 25 kg net.