

## Product Overview

The CERAFLO™ Polymer Series is a portfolio of high-performance dispersing agents developed for rheology control in ceramic slips and glaze suspensions. Based on high-purity anionic polyelectrolyte chemistry, these products modify particle-particle and particle-water interactions to reduce slurry viscosity at a given solids level, improve packing efficiency, increase green density and enhance fired surface uniformity.

## Technical Specifications & Analytical Profiles

The analytical profiles below represent typical production values determined through standardized internal quality control. Note: These values are provided for information only and do not constitute binding sales specifications..

Technical Property	Unit	H100-P / H100-N	H001-P / H001-N	C64-P / C64-N	C46-P / C46-N
Physical Appearance	—	Colourless to Yellow Liquid	Colourless to Yellow Liquid	Colourless to Yellow Liquid	Colourless to Yellow Liquid
Neutralization Grade	—	Partially / Fully Neutralized	Partially / Fully Neutralized	Partially / Fully Neutralized	Partially / Fully Neutralized
pH Value (@ 25°C)	—	6.0 – 8.0 / 10.0 – 12.0	6.0 – 8.0 / 10.0 – 12.0	6.0 – 8.0 / 10.0 – 12.0	6.0 – 8.0 / 10.0 – 12.0
Average Active Solids	%	29 -31	29 -31	29 -31	29 -31
Specific Gravity (@ 25°C)	g/cm <sup>3</sup>	1.00 – 1.20	1.00 – 1.20	1.00 – 1.20	1.00 – 1.20
Dynamic Viscosity (@ 25°C)	cps	100 – 300	100 – 300	100 – 300	100 – 300

## Applications

**Vitrified & Ceramic Tiles:** Suitable for spray-dryer feed preparation where high solids loading, controlled viscosity and stable atomization behaviour are required.

**Sanitaryware:** Supports slip systems used in pressure casting and conventional casting by improving rheological stability and cast thickness control.

**Tableware & Bone China:** Helps balance fluidity, green handling strength and suspension stability in fine ceramic body formulations.

**Refractories:** Can improve dispersion and packing in aluminosilicate and related refractory systems, supporting lower water addition during shaping.

**Electronic Ceramics:** Appropriate for high-purity oxide systems where controlled dispersion is important for microstructural uniformity and downstream performance consistency.

## Regulatory and Performance Disclaimer

The technical data and application guidance provided here are based on laboratory evaluation and current technical knowledge. These values represent typical product characteristics and do not constitute a warranty of performance or suitability for a specific application. Because raw materials, equipment, operating conditions, and site practices vary, users should conduct their own validation trials to confirm performance and compatibility. The manufacturer accepts no liability for variations arising from site-specific processing conditions.