

**TECHNICAL CONTROL ENVIRONMENTAL MATERIAL (SHAOGUAN) LTD.**

No.7, Gantang Nine Road, Gantang Avenue South, Xi Lian Town, Wu Jiang District,
Shaoguan, Guangdong Province

Tel: 0751-8130066/8130060

info.tcsg@techcrl.com

www.techcrl.com

Technical Data Sheet

PT 20

Description

PT 20 is a Polyether polyurethane Associative thickener

Features and Application

- Excellent non-Newtonian fluid characteristic, excellent thickening effect, flow and leveling
- Solvent-free, improve film fullness, high gloss, stable performance in a wide pH range
- Does not affect gloss in waterborne coating systems combined with other thickeners for optimal rheology and leveling balance
- Strong association with the surface of emulsion particles, has higher thickening efficiency for emulsions with fine particle size
- Excessive amount of surfactant will affect the associative network formed between PT 20 and the surface of the emulsion, resulting in a decrease the thickening effect, so the doages of surfactant must accuracy.
- Added in grinding or paint mixing stage. The recommended addition 0.5 - 2% (total formula amount). The exact dosage should be determined by different formulas and viscosity requirements.

Physical Properties

Appearance	liquid
Solid Conten(2hr.@120°C)%	20 ± 1
pH	7.0
Water %	80± 1
Viscosity (CP @25°C)	2000 - 5000

*These properties are typical but do not constitute specifications.

Storage

Please store in a cool, dry and ventilated place at 5~35°C, keep the package intact and tightly closed. This product has a shelf life of 12 months from the date of manufacture. After 12 months recommended to conduct a performance evaluation before use. This product needs to be strictly protected from frost. After open recommended to use it up at one time.

*Note: The company reserves the possibility to modify the product to improve the quality and application characteristics. All information provided in this data sheet is based on our knowledge; such information not restrict on third party rights and/or part of the patent rights. Customers must verify that the product is suitable for their own production process and their application. Even in accordance with the instructions, we are not responsible, as the end use is not within our direct control.

* these are not part of product specifications