

## TECHNICAL INFORMATION

### Appretan® Thickener 2710 liq

**Inverse emulsion thickener for water based formulations, especially based on synthetic latex**

- High efficiency
- Over-neutralized
- Excellent electrolyte stability
- Very short flow
- Easy to handle
- Enables to work without ammonia
- APEO free

## 1. Properties

Appearance	Yellowish, low viscosity emulsion
Chemical character	Synthetic thickener based on polyacrylate
Ionic character	Anionic
Bulk viscosity Brookfield at 25°C (30 rpm)	< 4000 mPa.s
Viscosity white paste *	About 10000 mPa.s
pH ** at 25°C	> 8
Dilutability	Dilution of the product with water is not possible
Compatibility	Compatible with selected non-ionic/anionic dispersions, fluorocarbon resins, crosslinking agents, resins, softeners, catalysts and other textile auxiliaries. Preliminary trials should in principle be carried out.
Storage	Can be kept for 6 months if stored correctly (between +5°C and +35°C) in the unopened original container. Product is sensitive to frost. Protect the product especially from being splashed with water.
Eco-toxicological data	See Safety Data sheet

\* Deionised water thickened with 1.3% of **Appretan® Thickener 2710 liq** as supplied, and with 0.28 g/l NaCl.  
Brookfield RVT, Spindle 6, 50 rpm at 25°C

\*\* Deionised water thickened with 1.3% of **Appretan® Thickener 2710 liq** as supplied

### 3. Use

Polymer dispersions, natural and synthetic latices like acrylic copolymers and SBR dispersions, which are used for finishing in the textile and home textile sector must be thickened to a greater or lesser degree, depending on the method of application. **Appretan® Thickener 2710 liq** is an excellent product for this purpose.

Because of its high efficiency, **Appretan® Thickener 2710 liq** enables the required amount to be reduced markedly in comparison with conventional thickeners

**Appretanv Thickener 2710 liq** is best added at the end of the mixing process, with vigorous stirring, in order to ensure to good inversion and efficiency. It's not possible to produce a stock solution or to dilute the **Appretan® Thickener 2710 liq** with water.

**Appretan® Thickener 2710 liq** is highly effective in the alkaline pH range, and give a good paste stability in the time. Because it's over-neutralized, **Appretan® Thickener 2710 liq** does not require addition of ammonia to reach the right pH value. pH must be adjusted nevertheless if required.

**Appretan® Thickener 2710 liq** imparts to the thickened pastes a very short flow, and a thixotropic rheology.

**Appretan® Thickener 2710 liq** has a very good electrolyte stability. Addition of pigments after the thickening has a very low impact on the viscosity.

Excessively high viscosities can be lowered by addition of water or un-thickened composition.

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