BAYPRET® NANO-PU
Enhanced properties through Nano-technology
NANO is from the Greek word Nanos = dwarf. With NANO technology we point at chemistry or structures which are smaller than 100 nanometer (a billionth of a meter).

**Definition**
Nanotechnology is a generic term for a wide range of technologies, which are working in structures and processes in a range of Nanometer.

TANATEX is offering products based on NANO-technology. Not because Nano is a fashion word, but because the technology behind these products really give you additional benefits, due to their unique structure.

**BAYPRET® NANO-PU** is our newest finishing product, based on a nanodispersion self-crosslinking polyether polyurethane.

A nano-dispersion, like **BAYPRET® NANO-PU**, will penetrate deeper into the fabric and forms a film around and between fibres. This will give unique properties and application possibilities:
- special finishing
- special handle modifications
- anti-pilling treatments
- resin treatment
- increased durability of selected softeners and resin finishes

The unique properties of the **BAYPRET® NANO-PU** allows its use to upgrade a resin finishing. By replacing up to 40% of the resin by **BAYPRET® NANO-PU**, the result is:
- lower strength-loss
- softer handle (and also more durable)
- more durable wrinkle free properties (more than 20 washes!!),
- which can be shown by wrinkle recovery angle and smoothness appearance
- lower methanol emission values
- much better abrasion resistance

**TANATEX products currently available based on Nano-technology are:**
- **BAYPRET® NANO-PU**
- **BAYPROTECT® NANO-POLLEN**
- **PERSOFTAL® NANO-SIL**