

**TECHNICAL LEAFLET
TETRA SIL 50**

Tetra Sil Silicon softener for finishing textile fabrics

Properties

Chemical character	Macro emulsion of amino-functional polysiloxane
Appearance	Milky White liquid
Ionic character	Non-Ionic
pH-value of a 10% solution	4.5-6.5
Specific weight at 20c	1.0+0.01

Stabilities

Tetra Sil 50 is stable to hardening agents of water
As acids and magnesium chloride.

Tetra Sil 50 is sensitive to slightly alkaline water
And all forms of alkali.

Tetra Sil 50 is sensitive to temperatures above 40C

The product is very sensitive to frost temperatures
Around the freezing point cause irreversible
Changes.

Dilution

Tetra Sil 50 can be diluted to any ratio with cold water: alkaline water should be
Acidified with acetic acid to pH 5.0-5.5 before adding the product.

Application

Tetra Sil 50 is high-grade silicone elastomer for finishing of textile.
The following properties stand out for this product:

- Very soft, drapable and elastic handle on woven and knitted fabrics
- Optimum softening effect on PES/Cotton fabrics
- Minimal effect on degree of whiteness
- Almost no adverse effect on shade or color fastness properties of colored textile
- Supports the elastic force of mesh fabric
- Improves the “wash-and-wear” effect in resin finishing
- Good washing and dry cleaning stables
- Reduces the crush resistance of no woven

“Tetra Sil 50”