

KORASILON® Fluids TX

KORASILON® Fluids TX are special amino-modified polysiloxanes.

KORASILON® Fluids TX are 100% active for use as a textile softener. They are functionalized with moisture induced, curable endgroups, they can react either with its own or with the fabric surface to increase the wash resistance and durability of the treatment to fibres and fabrics and garments, preferable to cotton and cotton/synthetic blends. The main purpose of these treatment is the application as softener for textile applications. Due to the binding of polysiloxane to the fibre, the friction inside the fabric is reduced.

They can easily be emulsified to stable micro emulsions, which give durable softness and grabby hand to cotton and a broad range of woven and non-woven fabrics. Due to its very low use levels **KORASILON® Fluids TX** needs either dilution in a nonpolar organic solvent or, preferred, to be emulsified for most applications prior use.

Formulations of **KORASILON® Fluids TX** should preferably applied by forced application systems, like padding or kiss roll to the substrate. However, they can also be applied through dipping both as an emulsion and when dissolved in organic solvents, but there the transfer rate depends strongly on the nature of the substrate and the concentration of the formulation used.

As the textile industry almost exclusively employs aqueous application techniques, **KORASILON® Fluids TX**, water insoluble materials, must first be emulsified. If mainly softness is targeted micro-emulsification is recommended, for water repellency macro-emulsification is preferred.

Applications

The main purpose of the **KORASILON® Fluids TX** is the use as softener in textile applications. Due to their amino-functional side groups they anchor to the fiber. This results in a reduced friction within the textiles.

Product properties

Technical data*:

Product	Amine value in meq/g	Viscosity in mPa·s	Reactivity
KORASILON® Fluid TX-2 CR	0,14	5.500	Yes
KORASILON® Fluid TX-7 CR	0,27	1.200	Yes

Storage

Correctly stored in its original unopened container at storage temperatures between **+5 °C** and **+40 °C** **KORASILON® Fluids TX** have a shelf life of **12** month after date of manufacturing.

Storage beyond to the period indicated on the product label does not automatically mean that the product is unusable. However, an inspection of the property values is necessary for the intended use and essential for quality assurance reasons.

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Further information on product safety and handling is given in the Material Safety Data Sheet.

This information and our technical advice – whether verbal, in writing or by way of trials – are given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release you from the obligation to check its validity and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with our General Conditions of Sale and Delivery; this is not valid for our trial products

*Informative properties not intended to be used as product specification

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