

ViscoPract® CX &

ViscoPract® CP

NEW: Enzymatic
Problem Resolution 2.0



Reduce
Viscosity,
Stabilize
Fermentation
Process!

Stirring made easy!

Improve the **viscosity** of your substrate mix.

ViscoPract® CX and **ViscoPract® CP** have been specifically developed for acute problem solving.

The enzyme activity profiles are especially adapted to the **degradation of different scaffolding substances**. Extensive laboratory and practical studies reveal convincing effects in the biogas process with best **temperature stability and pH tolerance**.

ViscoPract® CX and **ViscoPract® CP** attack recalcitrant, viscous substrates at several points and, thus, simultaneously increase the **fluidity** of the liquid phase of the fermentation mass and the **stir-ability the fibre fraction**.

5 good reasons for the application of **ViscoPract®!**

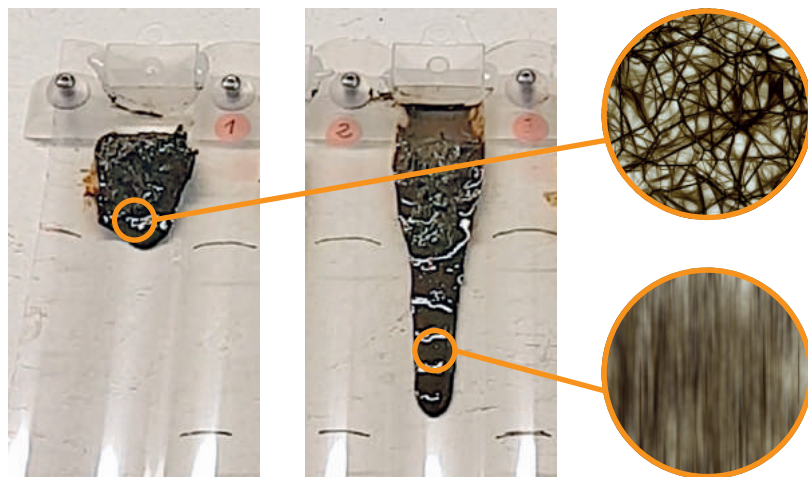
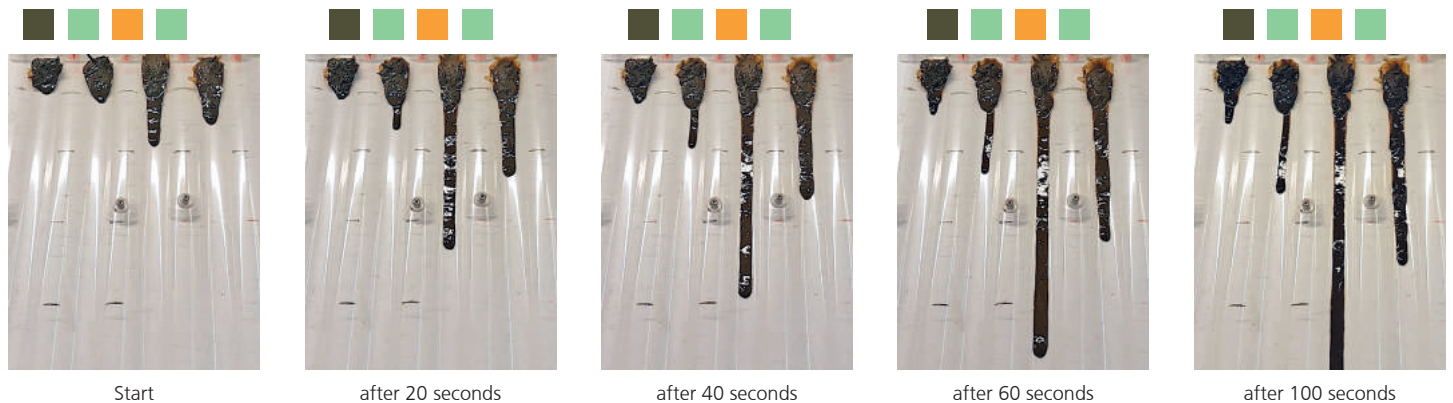
- » Quickly & noticeably improves **stir-ability**.
- » Removes **floating layers** and prevents new formation.
- » **Stable plant operation** when using "problem substrates".
- » Protection of the stir- and pump technology.
- » Verifiably reduces the **fermentation residue** of your biogas plant.

Improved **stir-ability,**
reduced **energy costs!**

ViscoPract® improves fluidity

The superior efficacy of **ViscoPract®** for viscosity reduction is tested with fermenter media originating from field cases. The **ViscoPract®** supplemented sample is tested against a negative control (no enzyme addition) and several positive controls, e. g. biogas enzymes of the first generation (competitor or experimental products). After a pre-defined reaction time, all samples are placed on a channel system, which is inclined at a defined angle. Video documentation permits measuring and demonstrating the effects objectively. The result speaks for itself!

Control sample without the addition of enzymes
 Sample with addition of **ViscoPract®**
 Samples with addition of enzymes of the first generation



Viscous becomes liquid!

Substrates difficult to degrade, such as cup plant silage, silage from greening spaces (mostly wild plants), grass silage or rye whole plant silage form a compact, felt-like mass in the fermenter. The substrate fibres are interlocked, which impedes stirring and makes pumping of the substrate almost impossible.

The addition of **ViscoPract®** effectively alters the physical properties of the substrate components, e. g. water-binding capacity and detangles the fibres. The liquid phase becomes fluid again and trouble-free pumping becomes possible again.

Viscosity problem solved? Optimise your biogas process with:

UltraPract® P2

Biogas Enzyme 2.0 with **AC Factor** increases the **yield** and **profitability** of your biogas plant.

UltraPract® HP/HC

Optimized enzyme combinations for more **flexibility and stability** when using substrates in your biogas plant.

MethaPract® CS

The effective all-rounder, tried and tested in **renewable energy systems**, ensures a **stable and carefree operation**.

Take advantage of our service: We will work with you to find the best application for your biogas plant!

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Supported by:



Federal Ministry
for Economic Affairs
and Energy



on the basis of a decision
by the German Bundestag



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