



ERHAVIT® PC – ERHAVIT® PC Liq – ERHAVIT® PC-A Liq\*

# The next generation of liming auxiliaries

» Plumping control with improved opening up



TFL – Great chemicals. Excellent advice.

\*Previously known as PELTEC 4008; this is a name change only.

ERHAVIT® PC – ERHAVIT® PC Liq – ERHAVIT® PC-A Liq\*



# The next generation of liming auxiliaries

## Plumping control with low impact to environment

The goal in Beamhouse processes is to produce relaxed pelts with reduced growth marks and belly draw. Amine-based liming auxiliaries can help to achieve these goals, but there are increasing regulations and restrictions are being placed on this chemistry. TFL has developed a patented solution that controls the plumping behaviour without the use of hazardous labelled chemicals. This makes handling safer and lowers the impact on the environment.

The use of **ERHAVIT® PC** keeps the hair follicle open by reducing the swelling of the grain. This allows the hair roots to be easily removed, resulting in cleaner hides. Due to its unique composition, **ERHAVIT® PC** increases the lime solubility in the float and helps this chemical to penetrate. This results in a more uniform "opening" of the fibre structure. **ERHAVIT® PC** is very effective in both hair-pulping and hair-save liming processes and can be combined with surfactants and liming enzymes from the **BORRON®** and **PELTEC® X-Zyme** ranges.

	Trade form	Application amount in %	Amines / mercaptans	Plumping control	Increase lime solubility	Improved opening up	Grain cleaning
ERHAVIT® PC	powder	0,3–0,6	none	+++	+++	+++	++
ERHAVIT® PC Liq/PC-A Liq*	liquid	0,7–1,5	none	++	+++	++	++

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+ moderate effect / ++ good effect / +++ strong effect

## Plumping control with improved opening up

- Higher concentration of  $\text{Ca}(\text{OH})_2$  in the float leads to better lime penetration and distribution in the cross section of the hide
- Increase of  $\text{Ca}^{2+}$  concentration reduces the swell of the pelts and reduces the neck wrinkles.

Lime Solubility	Application	$\text{Ca}(\text{OH})_2$ – Solubility
without	–	1,7 g/l
ERHAVIT® PC	0,50 %	3,2 g/l
	0,75 %	3,8 g/l
ERHAVIT® PC Liq/PC-A Liq*	1,0 %	3,0 g/l
	1,5 %	3,7 g/l

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## ERHAVIT® PC improves lime penetration



## The Benefits – Plumping control with improved opening up effect and low environmental impact

- Reduction of strong alkaline swelling resulting in reduced growth marks and belly draw
- Improved lime solubility for more uniform and quicker lime penetration leading to a more uniform opening up effect
- Lime reduction with reduced sludge in the effluent which can be further enhanced using PELTEC® X-Zyme SLR in the soaking process
- Free of amine- and phosphate-based chemistry resulting in low environmental impact thanks to easy and fully biodegradable components.



