

Looking for cost efficient strength?

VECTOR® HI-CAT®

Cationic wet-end starches are the most common polymers in the paper industry to get a better paper strength. They also play an important role in the sheet formation and the retention system. They allow to improve significantly machine runnability.

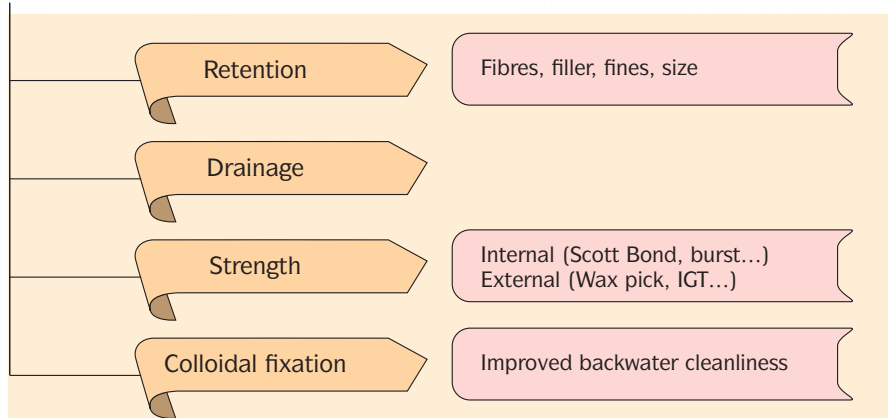


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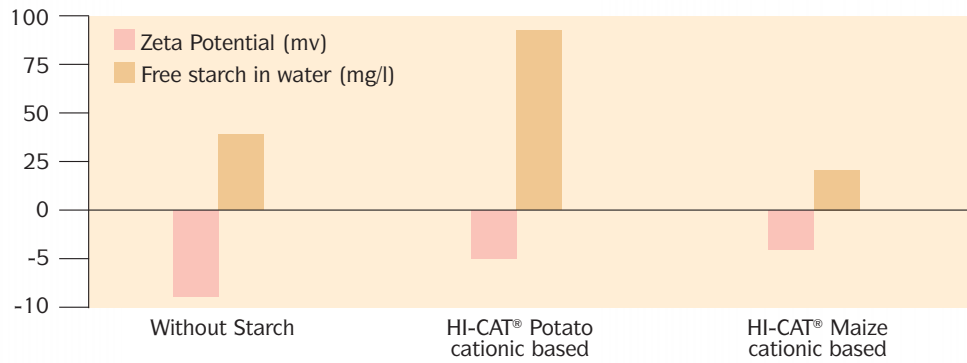
Offering the best of nature™

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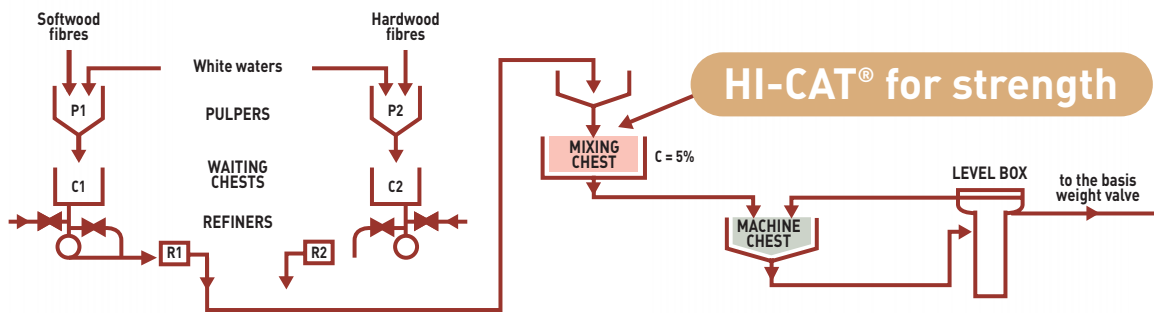
HI-CAT® Functionality



Starch Fixation and Water Quality Fixation of HI-CAT® Serie



Where to apply HI-CAT®



Thick stock

Mill results:

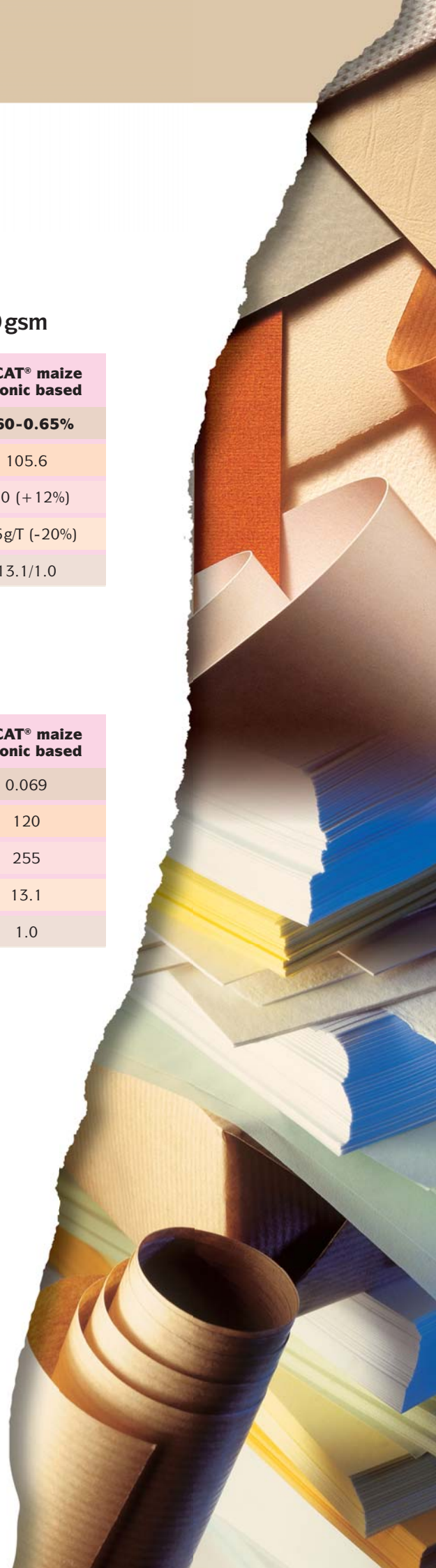
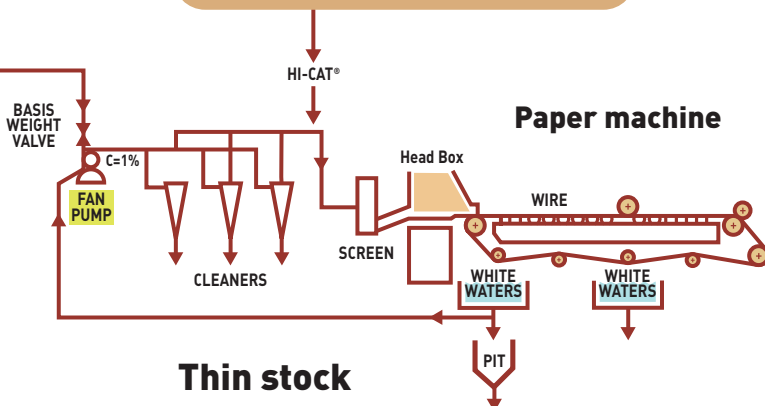
1- Printing & Writing paper 100gsm

	Potato Starch	HI-CAT® maize cationic based
Nitrogen Content	0.26%	0.60-0.65%
Grammage	104.3	105.6
Scott-bond	107	120 (+ 12%)
PAA	315g/T	255g/T (-20%)
Headbox/White water Conc. (g/l)	13.8/2.6	13.1/1.0

2- Fine Paper

	Cationic Potato Starch	HI-CAT® maize cationic based
DS (degree of substitution)	0.036	0.069
Scott Bond (J/m ²)	107	120
Polyacrylamide (g/t)	315	255
Breast box (g/l)	13.8	13.1
Back Water (g/l)	02.6	1.0

HI-CAT® for retention



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