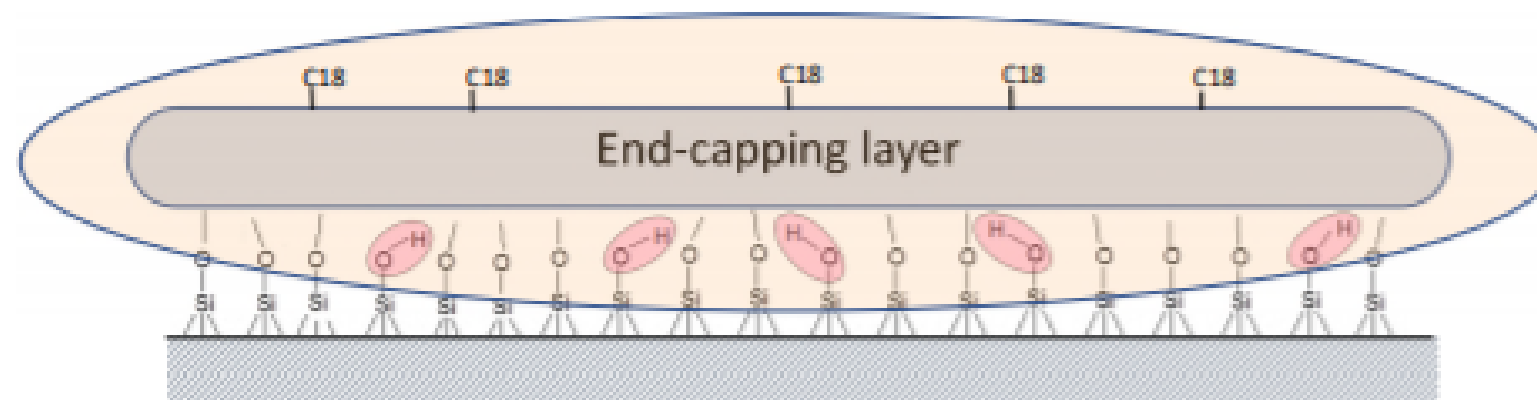
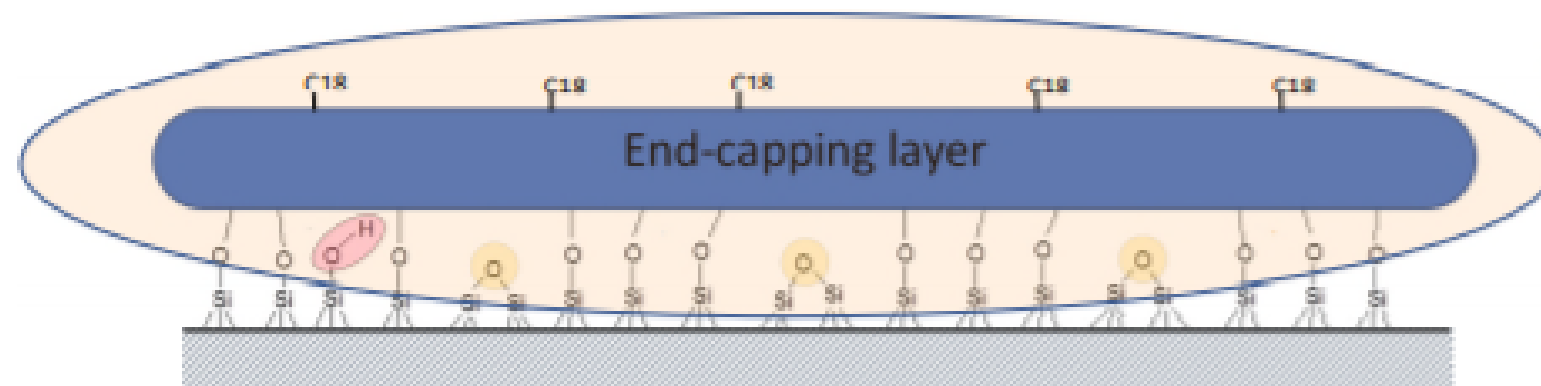


Comparison of hydrophobicity

Conventional end-capping



Both Sunniest end-capping and Silanol Activity Control



More
Hydrophobic

The Chromanik Silanol Activity Control provides advantages in relation to hydrophobicity. A conventional C18 Column has residual non hydrated silanol groups that contribute as a polar site which makes hydrophobicity of the stationary phase decrease. The high temperature reaction of greater than 200 Degrees C causes the Silanol Groups to combine to form a siloxane bond. The siloxane bonds do not cause hydrophobicity to decrease. This gives Chromanik Sunniest and Sunshell columns a strong advantage.