7. The process according to any one of claims 1 to 6, wherein the fluorinated monomers are selected from alkyl(meth)acrylates having fluorinated alkyl residues.

8. The process according to any one of claims 1 to 7, wherein the average particle diameter is in the range of from 80 to 800 nm.

~~9. A fluorinated core-shell-polymer particle, obtainable by a process as claimed in any one of claims 1 to 8.~~

~~10~~9. A fluorinated core-shell-polymer, in which the core is a non-fluorinated polymer and the shell is derived from at least 50% by weight of fluorinated monomers, the polymer being free from surfactants, emulsifiers and emulsifying monomers.

~~11~~10. A fluorinated core-shell-polymer according to claim ~~10~~9 having the features as defined in any one of claims 2 and 5 to 8.

~~12~~11. Use of fluorinated core-shell-polymers as defined in any one of claims 9 to ~~11~~10 for forming a solid water-, oil- and soil-repellent coating on solid surfaces.

~~13~~12. Process for forming a solid water-, oil- and soil-repellent coating film on solid surfaces, involving the steps of

a) casting a coating film of an aqueous latex dispersion containing fluorinated core-shell-polymer particles as defined in any one of claims 9 to ~~11~~10, on a solid surface,

b) evaporating the aqueous dispersion medium and

c) annealing the coating film.

~~14~~13. The process as claimed in claim ~~13~~12, wherein the aqueous latex dispersion contains a mixture of fluorinated core-shell-polymer particles as defined in any one of claims 9 to ~~11~~10 admixed with non-fluorinated polymer particles.