## Advanced characterisation of coated TiO<sub>2</sub> (rutile) nanoparticles

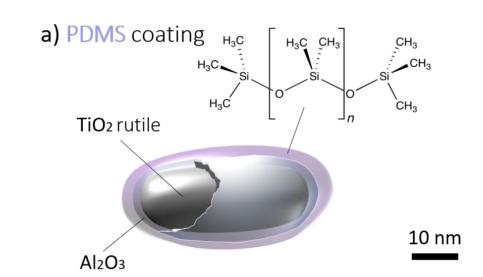


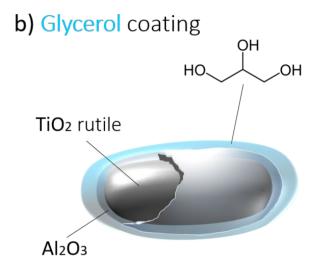
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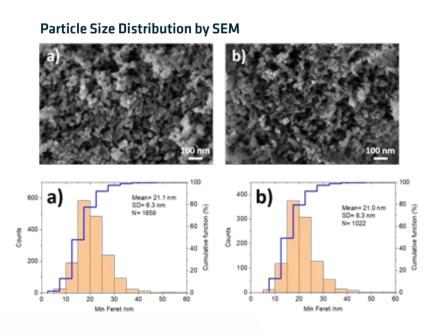
What are they? TiO<sub>2</sub> (rutile) nanoparticles (hydrophobic/hydrophilic), coated with: a) PDMS, b) glycerol

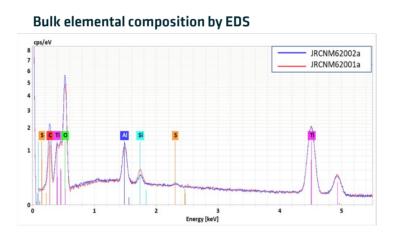
What do they do? Possess special properties: absorb UV, decontaminate photocataly-tically, e.g. act as antifogging coatings and self-cleaning windows when hydrophilic.

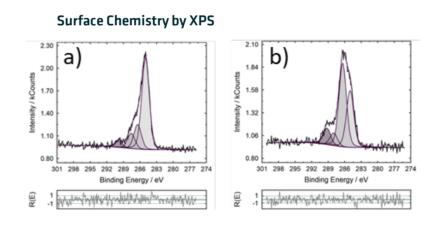
Where do we see them? Generally in many common consumer products like paints, plastics, cements, windows, tiles, food, sunscreen, pharmaceuticals.

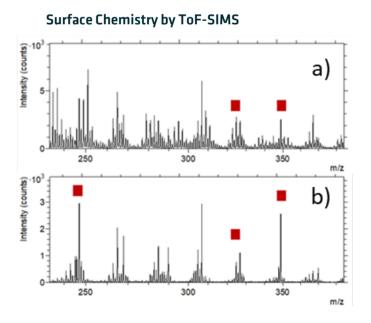












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