



Biocontamination

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Viruses, bacteria, molds and other biocontamination are addressed by self-cleaning surfaces.

For example, we treated part of a porous concrete driveway surface topically with SelfClean and left the other part as a control, as in the inset picture above. Five years after treatment, or “sealing,” as less-accurately described above, we swabbed the surface to test for ATP, the fuel for all life on earth, using a luminometer (Hygiena SystemSURE Plus). We rinsed the SelfClean and control surfaces with potable water to remove any crust of mud or silt, as would ordinarily happen with rain, and waited 30 minutes before testing. Even with a contaminant redeposition during the 30-minute lapse, the SelfClean surface exhibited an RLU level (the luminometer measure of contamination) of 35. For comparison, “pass” scores in a medical environment (North Tees and Hartlepool University Hospitals, part of the National Health Service in the United Kingdom) were set at or below 100 RLU. So, this SelfClean performance sanitizes the surface for up to five years after treatment or more.

By contrast, the adjoining control surface exhibited a highly-contaminated RLU level of 1,585.



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