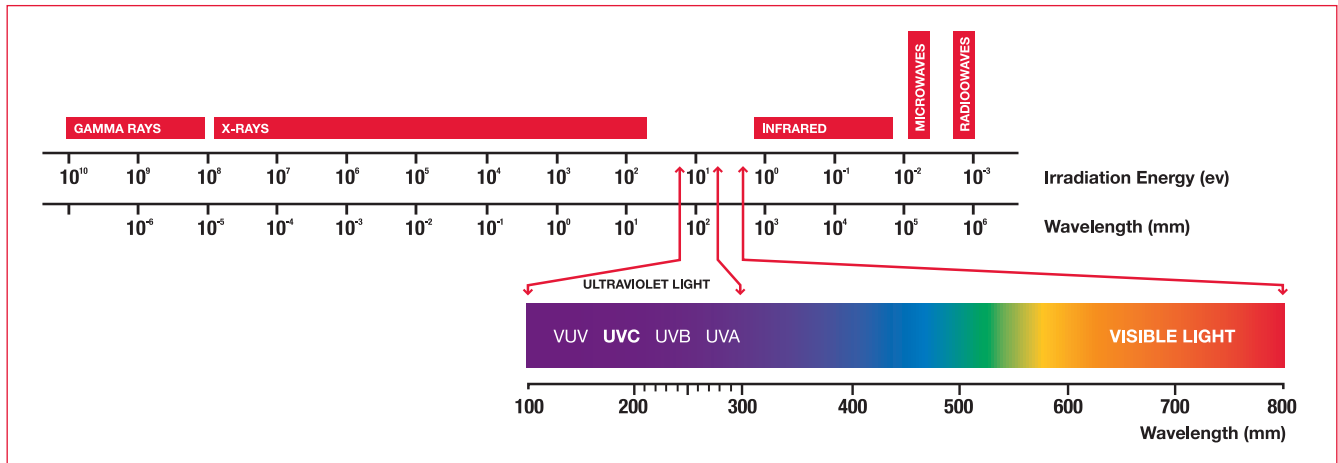


UVC and Ultrafabrics products



UVC disinfection works by exposing material surfaces to Ultra Violet light that falls in the region between visible light & X-rays:



The short wavelengths of ultraviolet light inactivate microorganisms by destroying nucleic acids and disrupting their DNA, leaving them unable to perform vital cellular functions. Wavelengths between 200 and 300 nm when exposed to microorganisms cause defects which prevent cell replication and can lead to inactivation of the organism.

Ultrafabrics aviation materials (including our Promessa AV) have been tested with UVC disinfecting technology. At a wavelength of 254 nanometers, our materials exceed 40,000 mj/cm² of exposure with negligible change in appearance.

A typical ten minute cleaning cycle according to the manufacturer is approximately 10 mj/cm² of exposure.