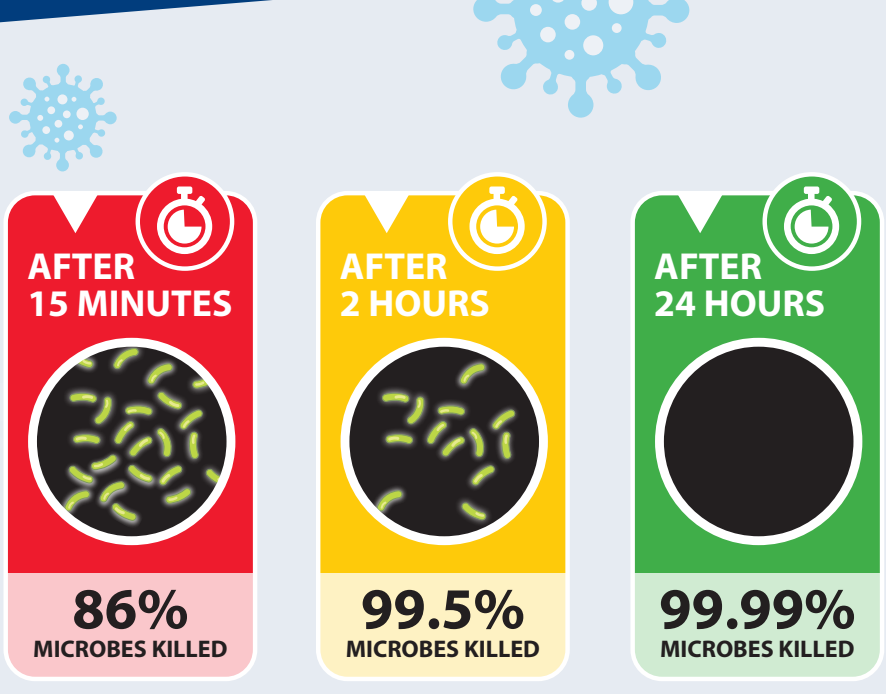
Biocote technology

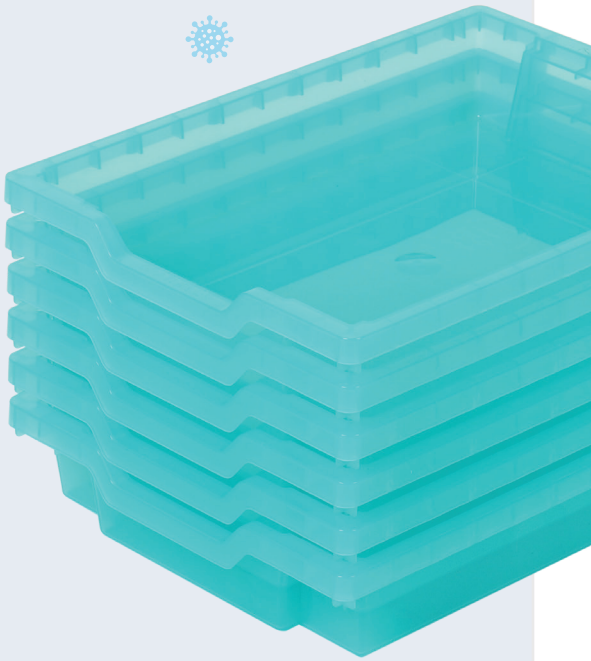
Gratnells antimicrobial health & hygiene range of storage incorporates BioCote® antimicrobial technology into storage trays, trolleys and frames. This technology is based on globally trusted silver ion additives that have been proven to be effective against a wide range of bacteria, mould and viruses, including superbugs MRSA and E.coli, and viruses like H1N1 influenza. BioCote has been empirically proven to eliminate up to 80% of both MRSA and E.coli after 15 minutes, up to 99.95% of these bacteria after 2 hours and up to 99.99% of these organisms after 24 hours. The additive acts against microbes that contaminate surfaces by causing protein damage, cell membrane damage, oxidative damage and DNA interference.

BioCote additives are introduced to products during the manufacturing process to provide built-in protection against the effects of microbes for the product lifetime. The technology has been empirically shown not to leach from or wash out of a treated material (British Standard BS 6920:2014) and it is resistant to exposure to commonly used cleaning disinfectants. Biocote is compliant to US and European regulations* and all antimicrobial materials supplied are compliant with the Substances of Very High Concern (SVHC) List of REACH legislation.

The antimicrobial health & hygiene range from Gratnells adds an extra layer of protection to the classroom for both students and their teachers. In a comparative study of an antimicrobial classroom, over the course of an academic year, there was a 96% reduction in surface bacteria present in the classroom and a 20% decrease in absenteeism**.

*Federal Insecticide, Fungicide and Rodenticide Act (EPA, US). Biocide Products Regulation, EU Directives 528/2012, 1907/2006, 2011/65/EU. ** https://www.biocote.com/case-studies/school





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BioCote antimicrobial additive

- Gratnells antimicrobial health & hygiene range of storage incorporates BioCote® antimicrobial technology into storage trays, trolleys and frames.
- BioCote antibacterial technology is based on globally trusted silver ion additives.
- BioCote additives are introduced to products during the manufacturing process to provide built-in protection against the effects of microbes for the product lifetime.
- The antibacterial technology offers protection from many bacteria including superbugs MRSA and E.coli.
- The antiviral technology protects against viruses like the H1N1 infulenza virus.
- Biocote acts against bacteria that contaminate surfaces through protein damage, cell membrane damage, oxidative damage and DNA interference.
- The antimicrobial technology has been empirically proven to eliminate up to 99.99% of both Staphylococcus aureus and Escherichia coli after 24 hours, up to 99.95% of these bacteria after 2 hours and up to 80% of these organisms after 15 minutes.
- In a comparative study of an antimicrobial classroom, over the course of an academic year, there was a 96% reduction in surface bacteria present in the classroom and a 20% decrease in absenteeism related to ill health.
- The technology is compliant to US and European regulations:
  - Federal Insecticide, Fungicide and Rodenticide Act (EPA, US).
  - Biocide Products Regulation, EU Directives 528/2012, 1907/2006, 2011/65/EU.
- All antimicrobial materials supplied are compliant with the Substances of Very High Concern (SVHC) List of REACH.
- The technology has been empirically shown not to leach from or wash out of a treated material (British Standard BS 6920:2014).
- The technology is resistant to exposure to commonly used cleaning disinfectants.
- The technology has been proven to be efficacious against a wide range of microbes – bacteria, mould and viruses.

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