

Bacteria and Fungus Considerations

Terroxy[®] Resin Systems Epoxy Matrix will not promote the growth of bacteria or fungus. Carbon is needed for micro-organisms to grow. Terroxy[®] Resin Systems Epoxy Matrix doesn't contain any carbon, as a result, growth cannot be sustained and these micro-organisms die. The following tests were conducted to demonstrate Terroxy[®] Resin Systems Epoxy Matrix resistance to bacteria and fungus growth.

Five samples of Terroxy[®] Resin Systems Epoxy Matrix were used. Bacteria was introduced to four of the five samples along with a fungus inhibitor. One sample was left uncontaminated for control purposes. The samples of Terroxy[®] Resin Systems Epoxy Matrix were tested by applying various concentrations of the following bacteria and fungus.

Test for Bacterial Growth:

Samples were tested using the following:

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| • Bacterium PD-0316 | Isolate |
| • Pseudomonas SP #1 | Isolate |
| • Pseudomonas SP #2 | Isolate |
| • Bacillus subtilis | ATCC 6051 |
| • Staphylococcus aureus | ATCC 6538 |

Test for Fungus Growth:

The same samples were tested using the following:

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|---------------------------|------------|
| • Aspergillus favus | ATCC 9643 |
| • Aspergillus niger | ATCC 6275 |
| • Aureobacidium pullulans | ATCC 16622 |
| • Chaetomium globosum | ATCC 6205 |
| • Penicillium funiculosum | ATCC 11797 |

Results: The tests conclude that Terroxy[®] Resin Systems Epoxy Matrix did not promote bacterial or fungal growth in any of the samples. A bactericide or fungicide is not needed when applying Terroxy[®] Resin Systems Epoxy Matrix.

Technical Bulletin 005