

## Bacteria & 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:

- 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:

- 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.

For specific questions or technical assistance, contact our Terrazzo Sales Desk at 800.7.MARBLE or our Technical Department at 708.385.6633.

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