

Product Information

Comparison of antibacterial effectiveness of various materials

tested at SGS Fresenius institute

| material | | hygienic relevant test bacteria | | | | summary |
|----------|---------------------------------|---------------------------------|-----------------------|-------------------------|------------------|---------------|
| | | Pseudomonas aeruginosa | Staphylococcus aureus | Salmonella choleraesuis | Escherichia Coli | |
| | | Effectiveness (powers of ten) | | | | |
| Duropal | microPLUS | >4,9 *** | >4,8 *** | >4,9 *** | >4,4 *** | strong effect |
| Duropal | microPLUS | >4,9 *** | >4,8 *** | >4,9 *** | >4,4 *** | strong effect |
| Stone | granite marble | -0,6 | 0,2 | 0,1 | <-1,0 | no effect |
| Ceramic | | <-0,6 | 0,3 | 0,3 | <-1,0 | no effect |
| Steel | high grade steel | 0,2 | 1,8 * | 2,1 ** | <-0,1 | small effect |
| Plastics | pvc | -0,3 | 0,2 | 0,2 | <-0,8 | no effect |
| | acrylic | -0,5 | 0,2 | 0,1 | <-1,0 | no effect |
| | mineral filled surface material | 0,3 | 0,6 | 0,5 | <-0,5 | no effect |

- *) small Effect
- **) significant effect
- ***) strong significant effect

Summary:

With reference to the other tested surfaces **DUROPAL microPLUS** has a more than 1000 times higher antimicrobial effectiveness.