



01.02.2003

Need for carpet cleaning

- comparing treated carpet with untreated carpet

There has been executed a rather extensive test program aimed at demonstrating the effectiveness on Fiber ProTector carpet protection on commercial carpet in high traffic area locations. Some of the more pertinent data are summarized on the attached chart. The essential test details are as follows:

- Test period 2001-2002
- Location
 - 10 foot wide corridor in large educational facility
 - Traffic of approximately 10,000 persons/day through the corridor
- Test procedure
 - Carpets vacuumed and evaluated daily
 - Cleaning performed when carpets reached a degree of soiling indicated by a pre-determined grey scale.
 - Cleaning and re-treatment performed by trained staff, using hot water extraction process

Each evaluation consisted of a set of three samples from a given type of carpet (all carpets were nylon):

U = Untreated carpet

T = Carpet only initially treated with Fiber ProTector carpet protection

T+R = Carpet treated initially with Fiber ProTector, then retreated immediately following each cleaning

You can see from the data that

- ✓ 2.5 to 6 times longer for treated (T and T+R) carpets requiring initial cleaning compared to untreated (U) carpets
- ✓ 30 to 75% reduction in total cleaning needs for treated (T) carpets over the test periods
- ✓ 70 to 88% reduction in total cleaning needs for repeatedly treated (T+R) carpets over the test periods

This means that not only does the carpet maintain a clean appearance for a longer period, but also overall cleaning costs can be reduced appreciably – up to 88%!



Test data

| Test | Carpet treatment | Test duration (# of persons passing) | Total cleanings needed | | Traffic to first cleaning | | Traffic to subsequent cleanings | |
|------|----------------------------|--|---------------------------|------------|------------------------------|------------|------------------------------------|------------|
| | | | # | deviance | # | deviance | # | deviance |
| A | U - Untreated | ~675,000 | 32 | (baseline) | 40,000 | (baseline) | 20,000 | (baseline) |
| | T - Treated (once) | | 8 | -75% | 250,000 | 625% | 55,000 | 275% |
| | T+R - Treated (repeatedly) | | 4 | -88% | 250,000 | 625% | 168,000 | 840% |
| B | U - Untreated | ~675,000 | 10 | (baseline) | 80,000 | (baseline) | 67,000 | (baseline) |
| | T - Treated (once) | | 7 | -30% | 255,000 | 319% | 71,000 | 106% |
| | T+R - Treated (repeatedly) | | 3 | -70% | 255,000 | 319% | 156,000 | 233% |
| C | U - Untreated | ~675,000 | 16 | (baseline) | 80,000 | (baseline) | 38,000 | (baseline) |
| | T - Treated (once) | | 7 | -56% | 200,000 | 250% | 66,000 | 174% |
| | T+R - Treated (repeatedly) | | 3 | -81% | 200,000 | 250% | 170,000 | 447% |
| D | U - Untreated | ~675,000 | 12 | (baseline) | 93,000 | (baseline) | 53,000 | (baseline) |
| | T - Treated (once) | | 7 | -42% | 255,000 | 274% | 60,000 | 113% |
| | T+R - Treated (repeatedly) | | 3 | -75% | 255,000 | 274% | 193,000 | 364% |
| E | U - Untreated | ~1,200,000 | 22 | (baseline) | 86,000 | (baseline) | 51,000 | (baseline) |
| | T - Treated (once) | | 14 | -36% | 255,000 | 297% | 58,000 | 114% |
| | T+R - Treated (repeatedly) | | 6 | -73% | 255,000 | 297% | 200,000 | 392% |
| F | U - Untreated | ~1,200,000 | 48 | (baseline) | 60,000 | (baseline) | 35,000 | (baseline) |
| | T - Treated (once) | | 15 | -69% | 225,000 | 375% | 50,000 | 143% |
| | T+R - Treated (repeatedly) | | 7 | -85% | 225,000 | 375% | 187,000 | 534% |



Test data chart

