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Industrial On-site Earplugs

Chemically cured, medical grade silicone earplugs continue to be recognized worldwide as the leader in proven hearing protection. This fact has been even more recognized now that hearing loss litigation and testing have been increasing.

ON-SITE EARPLUGS WILL PROVIDE SEVERAL YEARS OF USE.

On-site earplugs will reduce the amount a company annually spends on hearing protection requirements, with a lifespan of 3-5 years depending on use, working environment, and employee care. On-site earplugs have benefits beyond just hearing protection. Below is a quick Cost Comparison Chart reflecting the widely used “uncorded” foam disposable earplugs (\$0.20/pair - \$0.35 per pair) versus a set of “corded” On-site earplugs. This example makes a conservative assumption that an employee will use only two pairs of “uncorded” foam plugs each day for a total year of 240 work days per calendar year. (“corded” foam earplugs are generally \$0.15 - \$0.20 more per pair).

COST COMPARISON CHART (FOAM)

# EMPLOYEES	TOTAL COST Foam DAY / YEAR	TOTAL COST On-site DAY / YEAR	SAVINGS YEAR 1	SAVINGS YEAR 2
1	\$0.40 / \$96.00	\$0.27 / \$65.00	\$31.00	\$127.00
25	\$10.00 / \$2,400.00	\$6.75 / \$1,625.00	\$775.00	\$3,175.00
50	\$20.00 / \$4,800.00	\$13.50 / \$3,250.00	\$1,550.00	\$6,350.00
100	\$40.00 / \$9,600.00	\$27.00 / \$6,500.00	\$3,100.00	\$12,700.00
150	\$60.00 / \$14,400.00	\$40.50 / \$9,750.00	\$4,650.00	\$19,050.00

COST COMPARISON CHART (RE-USABLE)

# EMPLOYEES	TOTAL COST Reusable DAY / YEAR	TOTAL COST On-site DAY / YEAR	SAVINGS YEAR 1	SAVINGS YEAR 2
1	\$1.60 / \$384.00	\$0.27 / \$65.00	\$319.00	\$703.00
25	\$40.00 / \$9,600.00	\$6.75 / \$1,625.00	\$7975.00	\$17,575.00
50	\$80.00 / \$19,200.00	\$13.50 / \$3,250.00	\$15,950.00	\$31,900.00
100	\$160.00 / \$38,400.00	\$27.00 / \$6,500.00	\$31,900.00	\$63,800.00
150	\$240.00 / \$57,600.00	\$40.50 / \$9,750.00	\$47,850.00	\$95,700.00

HOW MUCH PROTECTION CAN ONE EXPECT FROM A WELL-FIT PAIR OF ON-SITE EAR PROTECTORS

Frequency (Hz)	125	250	500	1000	2000	3000	4000	6000	8000
Mean Attenuations (dB)	25.1	30.2	33.2	34.2	36.1	37.9	40.8	42.0	40.4
Standard Deviations (dB)	1.7	3.7	3.8	2.3	3.7	4.7	4.3	5.0	3.6

All tests were conducted in accordance with ANSI (1974 and 1984) and EPA – 1979 Standards
 Performed by: Michael J. Mets, Ph.D. – Audiology Associates Reviewed by: Garry G. Gordon, M.S.
 NRR (per EPS-1979) 29.8dB