

# Toscana appenninica (substrato geologico > 30 m)

Valore di  $a_g$  (TR=475 anni)  $\geq 0.15g$



0.1 - 0.5 s

Vs30 (m/s)   f0(Hz)	<1	1.5	2.5	3.5	4.5	5.5	6.5	7.5	$\geq 8$	75° perc.
<200	0.7	1.0								0.8
300	1.1	1.5	1.8	2.0	2.0	1.8	2.0	1.9	2.0	1.6
500	1.2	1.4	1.8	1.9	1.8	1.9	1.9	1.9	1.8	1.7
700	1.2	1.2	1.6	1.8	1.8	1.7	1.6	1.6	1.6	1.6
$\geq 800$	1.1	1.2		1.5	1.3	1.3			1.4	1.4

0.5 - 1 s

Vs30 (m/s)   f0(Hz)	<1	1.5	2.5	3.5	4.5	5.5	6.5	7.5	$\geq 8$	75° perc.
<200	1.3	2.0								1.3
300	1.5	2.3	2.0	1.9	2.1	1.9	1.8	1.8	1.3	2.2
500	1.4	2.0	1.8	1.5	1.6	1.7	1.5	1.5	1.5	1.8
700	1.2	1.7	1.6	1.3	1.2	1.2	1.3	1.3	1.3	1.4
$\geq 800$	1.5	2.0		1.3	1.1	1.1			1.3	1.3

Popolosità celle

Vs30 (m/s)   f0(Hz)	<1	1.5	2.5	3.5	4.5	5.5	6.5	7.5	$\geq 8$
<200	12	2							
300	608	3298	1181	248	203	62	74	31	49
500	905	1906	1307	859	390	275	160	153	373
700	250	238	275	155	134	108	80	123	597
$\geq 800$	12	16		28	2	12			42

Classi

frequenza (Hz)	f0<1	
	1.5	$1 \leq f0 < 2$
	2.5	$2 \leq f0 < 3$
	3.5	$3 \leq f0 < 4$
	4.5	$4 \leq f0 < 5$
	5.5	$5 \leq f0 < 6$
	6.5	$6 \leq f0 < 7$
	7.5	$7 \leq f0 < 8$
velocità (m/s)	$\geq 8$	
	Vs<200	
	300	$200 \leq Vs < 400$
	500	$400 \leq Vs < 600$
	700	$600 \leq Vs < 800$
	Vs $\geq 800$	