

# Toscana appenninica (substrato geologico > 30 m)

Valore di  $a_g$  (TR=475 anni) < 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	≥ 8	75° perc.
<200	0.8	1.0								1.0
300	1.2	1.5	1.9	1.9	2.0	1.9	2.1	2.1	1.9	1.7
500	1.2	1.4	1.8	2.0	1.8	1.8	1.9	2.0	1.8	1.7
700	1.2	1.2	1.6	1.8	1.8	1.6	1.6	1.6	1.6	1.6
≥800	1.3	1.3		1.5		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	≥ 8	75° perc.
<200	1.3	2.0								1.6
300	1.6	2.2	2.0	1.8	2.0	2.0	1.8	1.8	1.3	2.1
500	1.4	1.9	1.8	1.5	1.6	1.7	1.6	1.5	1.5	1.7
700	1.2	1.6	1.6	1.3	1.3	1.2	1.4	1.3	1.3	1.4
≥800	1.5	1.8		1.3		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	≥ 8
<200	4	3							
300	189	1562	664	138	151	50	57	29	37
500	388	914	642	432	241	141	90	84	232
700	118	122	139	72	61	64	39	55	310
≥800	4	10		14		7			21

Classi

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