

# Toscana appenninica (substrato geologico ≤ 30 m)

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



0.1 - 0.5 s

VsH (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	1.3	1.9	2.2	2.1	2.0	1.8	1.8	1.4	1.8
300	0.6	1.3	1.9	2.0	1.9	1.8	1.7	1.6	1.4	1.9
500		1.0	1.8	1.8	1.9	1.7	1.6	1.5	1.4	1.7
700	0.8	1.1			1.4	1.6	1.6	1.5	1.3	1.5
≥800									1.3	1.3

0.5 - 1 s

VsH (m/s)   f0(Hz)	<1	1.5	2.5	3.5	4.5	5.5	6.5	7.5	≥ 8	75° perc.
<200	1.6	2.2	1.9	1.6	1.3	1.1	1.1	1.1	1.0	1.4
300	1.5	2.3	1.8	1.5	1.2	1.1	1.1	1.1	1.0	1.6
500		2.2	1.6	1.4	1.2	1.1	1.1	1.1	1.0	1.2
700	1.6	2.0			1.1	1.1	1.1	1.1	1.0	1.1
≥800									1.0	1.0

Popolosità celle

VsH (m/s)   f0(Hz)	<1	1.5	2.5	3.5	4.5	5.5	6.5	7.5	≥ 8
<200	5	66	66	46	49	49	56	34	245
300	1	224	1347	1218	524	391	214	205	860
500		13	59	385	812	492	293	290	1646
700	1	11			19	75	71	25	330
≥800									70

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	