

## Rain Noise Solutions Ready Reckoner (For Schools BB93)

Room	Max Allowable (dB)	Rockwool Achieves (dB)	Room Size (m)	System components required to achieve		
				Rockfon Ceiling Required	Hardrock 150mm or Duorock 135mm*	Acoustic Membrane 5Kg/m <sup>2</sup>
Nursery school playrooms	55	55	8x8x3	No	Yes	Yes
Nursery school quiet rooms	55	55	8x8x3	No	Yes	Yes
Primary school classrooms	55	55	8x8x3	No	Yes	Yes
Primary school class bases	55	55	8x8x3	No	Yes	Yes
Primary School general teaching areas	55	55	10x10x3	No	Yes	Yes
Primary school small group rooms	55	55	4x4x3	No	Yes	Yes
Secondary school classrooms	55	51	5x5x3	Yes	Yes	No
Secondary school general teaching areas	55	51	10x10x3	Yes	Yes	No
Secondary school seminar rooms	55	51	8x8x3	Yes	Yes	No
Secondary school tutorial rooms	55	51	5x5x3	Yes	Yes	No
Secondary school language laboratories	55	51	8x8x3	Yes	Yes	No
Open plan teaching areas	60	56	10x10x3	No	Yes	Yes
Open plan resources areas	60	57	8x8x3	No	Yes	Yes
Music classroom	55	52	5x5x3	Yes	Yes	No
Music small practice/group room	55	51	5x4x3	Yes	Yes	No
Music ensemble room	50	49	5x4x3	Yes	Yes	Yes
Music performance/recital room	50	50	5x5x3	Yes	Yes	Yes
Music recording studio room	50	49	5x5x3	Yes	Yes	Yes
Music control room for recording	55	54	5x5x3	No	Yes	Yes
Lecture rooms small (fewer than 50 people)	55	51	8x8x3	Yes	Yes	No
Lecture rooms large (more than 50 people)	50	45	10x10x6	Yes	Yes	Yes
Classrooms designed specifically for use by hearing impaired pupils	50	44	5x5x3	Yes	Yes	Yes

\*This is the minimum thickness required in either Hardrock or Duorock to achieve the stated rain noise performance

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Study room (individual study, withdrawal, remedial work, teacher preparation)	55	51	5x5x3	Yes	Yes	No
Libraries (quiet study areas)	55	52	6x6x3	Yes	Yes	No
Libraries (resource areas)	60	57	6x6x3	No	Yes	Yes
Science laboratories	60	60	6x8x3	No	Yes	No
Drama studios	50	48	6x8x3	Yes	Yes	Yes
Metalwork/woodwork classrooms, resource/light craft and practical work	60	60	10x10x3	No	Yes	No
Art rooms	60	60	5x5x3	No	Yes	No
Assembly halls, multi-purpose halls	55	53	12x8x3	Yes	Yes	No
Audio visual, video conference rooms	55	51	8x6x3	Yes	Yes	No
Atria, circulation spaces used by pupils	65	62	8x6x3	No	Yes	No
Indoor sports hall*	60	60	12x15x5	No	Yes	No
Gymnasium*	60	60	12x15x5	No	Yes	No
Dance studio	60	58	10x8x3	No	Yes	Yes
Swimming pool	70	61	30x10x5	No	Yes	No
Interviewing/counselling rooms	55	51	5x4x3	Yes	Yes	No
Medical rooms	55	51	5x4x3	Yes	Yes	No
Dining rooms	65	61	10x8x3	Yes	Yes	No
Kitchens	70	62	8x6x3	No	Yes	No
Offices, staff rooms	60	57	5x5x3	No	Yes	Yes
Coats and changing areas	65	62	8x8x3	No	Yes	No
Toilets	70	62	8x8x3	No	Yes	No

\* assume 5m high ceiling

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