

Post Completion Testing

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Outline

- ▮ What Needs to Be Tested?
- ▮ What you **Don't** need to Test.
- ▮ Some potential issues
- ▮ Who's going to do the testing/What is this going to cost me?
- ▮ What do you need to know before you ask for a test?

Current PCT Situation

- ▮ Some LA request testing
- ▮ Some HA's and BREEAM
- ▮ Could ask for up to 4 tests Walls/Floors
- ▮ Commonly Only 1 or 2 tests
- ▮ No third party accreditation for Testers



What Needs to be Tested

- use of any of the methods listed in clause 5.1.2 alone will not guarantee that the performance levels will be achieved, as good workmanship is essential to their performance. Close supervision of the *work* and post-completion testing should help achieve these levels.



What Needs to Be Tested

Tests levels in dB for Example and pre-tested constructions

	New build	Conversions
Minimum airborne sound insulation [2]	56 $D_{nT,w}$	53 $D_{nT,w}$
Maximum impact sound transmission [2]	56 $L'_{nT,w}$	58 $L'_{nT,w}$

Test levels in dB for alternative constructions

	New build	Conversions
Minimum airborne sound insulation [2]	56 $D_{nT,w}$ and	53 $D_{nT,w}$ and
	45 $D_{nT,w} + C_{tr}$	43 $D_{nT,w} + C_{tr}$
Maximum impact sound transmission [2]	56 $L'_{nT,w}$	58 $L'_{nT,w}$



Recommended minimum number of tests for new build

-	No. of attached dwellings	No. of tests for separating walls [houses]	No. of tests for separating walls [flats or maisonettes]	No. of tests for separating floors [flats or maisonettes]
New build using Example Constructions and pre-tested constructions	2 - 20	2	2	2
	21 - 40	3	3	3
	over 40	1 extra for every 20 houses, or part thereof	1 extra for every 20 flats or maisonettes, or part thereof	1 extra for every 20 flats or maisonettes, or part thereof
New build using Alternative constructions	2 - 10	2	2	2
	11 - 20	3	3	3
	21 - 30 over 30	4 1 extra for every 10 houses, or part thereof	4 1 extra for every 10 flats or maisonettes, or part thereof	4 1 extra for every 10 flats or maisonettes, or part thereof

Recommended minimum number of tests for conversions

	No. of Dwellings Formed by Conversion	No. of tests for separating walls [houses]	No. of tests for separating walls [flats or maisonettes]	No. of tests for separating floors [flats or maisonettes]
Conversions	1 -5	2	2	2
	6 - 10	3	3	3
	over 10	1 extra for every 5 conversions, or part thereof	1 extra for every 5 conversions, or part thereof	1 extra for every 5 conversions, or part thereof

What You Don't Need To Test

- ▮ Internal Walls and Floors (Homes)
- ▮ Internal Walls and Floors (Non-Domestic)
- ▮ Loft space to a room
- ▮ From a conversion to an existing Property

Some Potential Issues

- ▮ Proving you are using Pre-Tested Partition
- ▮ Alternative constructions and C_{tr}
- ▮ Refurbishment and C_{tr}
- ▮ Conversions - Pre1919/Post 1919
- ▮ Pre-Conversion Testing??
- ▮ Doors into Common Areas
 - ▮ *“Allowance should be made if a test is requested for such a separating wall”*

Who is going to Do the Testing

▄ ANC or UKAS

- 3 Companies in Scotland with ANC Registration
- Possibly 1 Company with UKAS?
- Is this an Issue?

▄ What about Costs

- What happened in England & Wales?
- Will location be an issue?



What do you need to know before you ask for a test?

- ▮ Windows and Vents are in place
- ▮ Doors are in place
- ▮ Wall/Floor is finished (sockets, skirting)
- ▮ The carpets or flooring has not been laid
- ▮ 'Shh...' be very Quiet

Thank You

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