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Part E Robust Details The Scheme

Three Year Review by Government



- RD Scheme was subject to a 3-year review by CLG in 2007
- Independent verification of compliance rates, performance monitoring and other scheme KPIs
- CLG concluded that scheme 'met or exceeded expectations'



Part E Robust Details The Scheme

Performance Monitoring

- 30 acoustic consultants carry out spot check visual inspections and sound tests -*The RDL Inspectorate*
- 2% of completed RD properties are subject to randomly sampled sound tests
- 2% of registrations are subject to random visual inspection







Part E Robust Details The Scheme

Performance Monitoring



- Spot check visual inspections and sound tests
- No enforcement powers
- If any serious problems cannot be resolved, notify BCB
- Withdraw any robust detail that consistently fails to meet required standards







Maintaining the Standards



Part E Robust Details







Part E Robust Details Pre - 2004 Part E?





What's the problem?

Regulations - Key Messages

- **Stakeholders** are not able to influence new standards
- Regulations are too complex
- Compliance with (some parts of) the Regulations is **low**
- Guidance is highly technical and does not address all audiences
- Future **levels of resource** will exacerbate problems



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The Future of Building Control, CLG 2007 (para 2.2)

Key Messages

The Part E Approach...

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Separating Wall - Cavity Masonry E-WM-4 WM-4 Lightweight aggregate blocks Render and gypsum-based board on dabs Industry Groups (Developers and Suppliers) produced - and funded - Part E Pattern Book scratch finish Typical render mix 1:1:6 to Separating 1:1/2:4. Render mix must not be stronger than background (see Appendix A) Masonry (both leaves) with External wall 50mm (min) cavity - clear, fully filled or partially filled with insulation DO Keep cavity and wall ties free from mortar droppings and debris Fully fill all blockwork joints with mortar Make sure there is no connection between the two leaves except for wall ties and foundation Keep any chases for services to a minimum and fill well with mortar Ensure that render is applied to the complete face of each leaf with a scratch finish (it may be omitted within the floor May 2004 1 of 8 robustdetails

The Future of Building Control, CLG 2007 (para 2.2)

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Part E Changes added additional layers of complexity both procedural and technical

May 2004



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Robust Details for 'standard' solutions; PCT for others

1 of 8

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The Future of Building Control, CLG 2007 (para 2.2)



Part E Robust Details

Part E

Acoustics

- Unlike Energy, Structure, etc., science of Part E can be counter-intuitive
- Deviations from approved patterns can be **risky**
- Focus on Low Frequency Sound gives rise to 'good subjective' performance (but poor results)



Part E Robust Details More Robust Details?

A Complementary Service

- Robust Details provisions add an extra layer to existing Building Control procedures
- RDL activities **supplement** (rather than replace) BCB compliance monitoring
- May be limited to issues where:
 - compliance is currently low
 - service users will 'pay extra' for the benefits





Part E Robust Details Moving The Curve



thankyou www.robustdetails.com

