

Addressing Condensation Mould in Stud Wall Construction

Assessment Questionnaire

Please complete the following "Building Sustainably with Timber" assessment questionnaire prior to CPD webinar. Assessment to be conducted at end of the webinar and before 1 Formal CPD point can be given.

1. Condensation & Mould: **Name a Risk & or Possible Damage brought about by condensation:**
 - A. Sick Building Syndrome – people may become sick;
 - B. Possible decay of timber framing and damage to structural integrity of building;
 - C. Severe mould & condensation concealed within walls;
 - D. All of the above.

2. Condensation: **Name 2 ways by which water vapour may enter wall cavities:**
 - A. Wall cavities and cavity battens;
 - B. Diffusion through Plasterboard & Air Leakage through holes in wall lining
 - C. Rain & snow
 - D. All of the above.

3. Condensation: **Vapour Pressure is typically higher inside a house than outside:**
 - A. True;
 - B. False.

4. Condensation: **Which material has the lowest vapour resistance?**
 - A. Gloss paint;
 - B. Perforated Breather Foil;
 - C. Vapour Permeable Membrane;
 - D. 100mm Concrete.

5. R Values: **Which of the following Construction Systems has the highest R value?**
 - A. Reflective Sarking with R2 bulk insulation;
 - B. Reflective Sarking with 90mm air space;
 - C. Vapour Permeable Membrane with R2 bulk insulation and 9mm vented non-reflective cavity;

6. R Values: **how can the R Value of a Bulk insulated wall with vapour permeable membrane be increased?**
 - A. Moistening of Bulk Insulation;
 - B. Addition of cavity battens before installation of Cladding;
 - C. Removal of Bulk insulation;
 - D. All of the above.

7. History: **From 2000 on the requirements for insulation increased?**
 - A. True;
 - B. False.

8. History: **The increase in bulk insulation and airtightness has contributed to concealed condensation and mould problems?**
 - A. True;
 - B. False.

9. Condensation & Mould: **Issues contributing to concealed mould in wall cavities include:**
 - A. Reduced air circulation;
 - B. Increased condensation;
 - C. Addition of bulk insulation;
 - D. All of the above.

10. Solutions: **Vapour permeable membrane, cavity battens, architectural panels & weatherboards assist in reducing interstitial mould, and concealed condensation by:**
 - A. Providing a more permeable sarking layer;
 - B. Providing an additional air gap in the wall system;
 - C. Allowing free draining and evaporation of moisture from the wall;
 - D. All of the above.