Simon Camal 15.05.2015 ROEA Detail: Eave Date 2[™]STEP airtightness in ceiling: blown mineral woll **COLOR CODE** Eave airtightness: PE membrane 1300mm Adhesive primer to wall on existing joists 0.040 W/(m.K) Projected plaster render on masonry Existing building Eave: Step 1 Soffit plywood 20 mm rendered New batten 120 cm x 16 cm extending eave 160-200 mm blown mineral wool New rainscreen Step 3 Counterbattens and tiles reused if functional temporary works (in between steps) Airtight layer DESCRIPTION/CHALLENGES Supply air **MVHR** The existing insulation is conserved if not damaged. Flexible ducts from the new ventilation unit placed in the attic distribute supply air to living rooms and bedrooms. glued EPS Then mineral fiber is blown with a 300mm 0.031 W/(m.K) thickness of 300 mm. with acrylic render A new batten extends the eave to get a continuous insulation layer with the 300 mm EPS wall insulation layer. Challenges for first step: wall airtightness: - Careful installation of the airtight adhesive mortar for EPS membrane - Follow optimized ducting layout Challenges for second step: existing wall: gypsum board - Apply continuously primer and plaster 70mm PUR board spray on eave 200mm concrete hollow blocks 20mm cement render **NOTES** Works with tenants in situ Co-funded by the Intelligent Energy Europe

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Case Study 06 Auby France

1:5 @ A3

Scale

Author

