



- 1 roof construction:
 extensive greening
 80 mm substrate
 fleece filter layer
 50 mm EPS water
 storage plate
 separating foil
 2-ply bituminous
 sealant membrane
 240 mm PUR thermal
 insulation
 20-140 mm EPS
 insulation to falls
 vapour barrier
 27 mm OSB
 120/320 mm glued laminated
 timber
 lateral beam
 320/480 mm glued laminated
 timber
 longitudinal beam
 25 mm inlaid mineral
 fibre panel hung ceiling
- 2 200/800 mm glued laminated
 timber
 edge beam
- 3 insulation glazing:
 8 mm toughened glass + 18 mm
 cavity + 2 x 6 mm laminated
 safety glass in anodised
 aluminium frame
- 4 facade construction: 50 mm
 prefabricated exposed concrete
 element, sandblasted, integrated
 mineral wool insulation; 60/80
 mm wood blocking; 80 mm blown-
 in cellulose thermal insulation;
 vapour barrier; 27 mm three layer
 panel; 12.5 mm gypsum fibre
 board
- 5 classroom floor construction:
 3 mm linoleum flooring; dry
 screed 33 mm gypsum board with
 laminated wood fiber insulation
 60 mm expanded clay fill; 60 +
 180 mm reinforced concrete
 ribbed ceiling (existing);
 280/560 mm reinforced concrete
 downstand beam (existing); 25 mm
 inlaid mineral fibre panel hung
 ceiling
- 6 Stainless steel dowel
 Ø 20 mm
- 7 prefabricated exposed concrete
 element, sandblasted (existing)

0 0.1 0.5 1m