SINIAL SELECT NCC Class 1a - Timber Frame Duplex or Townhouses, NSW 2036





Rw: 49; Rw + Ctr: 36

Insulation Pathway Total R-Value (note 7): 3.13 m2.K/W

#3: External Wall NCC-C1a-LB-R3 Outside



#4: External Wall NCC-C1a-LB-A1

Rated from outside only; FRL From Outside Only: 90/90/90 Rw: 48; Rw + Ctr: 35 Insulation Pathway Total R-Value (note 7): 2.93 m2.K/W

Rated from outside only; FRL with contribution of internal lining: 90/90/90; FRL without contribution of internal lining: 60/60/60; FRL3: 90/90/90

Rw: 50; Rw + Ctr: 42

Insulation Pathway Total R-Value (note 7): 4.43 m2.K/W



Rw: 52; Rw + Ctr: 42

Insulation Pathway Total R-Value (note 7): 2.96 m2.K/W

#7: External Wall NCC-C1a-LB-A3-2 ILLUSTRATION ONLY, components shown are just representative, NOT TO SCALE! Outside (1) 8.5mm EasyTex (2) HardieWrap Weather Barrier (3) 90mm Framing Cavity with 90mm Pink Soundbreak R2.7 Framing: Single 90mm Timber Studs at maximum 450mm centres (4) 33mm Framing Cavity Framing: 18mm Siniat Furring Channels on Resilient Mounts at maximum 450mm centre (5) 10mm Opal

Rw: 52; Rw + Ctr: 39; Impact Sound Resistant Insulation Pathway Total R-Value (note 7): 2.95 m2.K/W

#8: External Wall NCC-C1a-LB-A3-3 ILLUSTRATION ONLY, components shown are just representative, NOT TO SCALE! Outside (1) 8.5mm EasyTex (2) HardieWrap Weather Barrier (3) 90mm Framing Cavity with 90mm Pink Soundbreak R2.7 Framing: Single 90mm MGP10 Timber Studs at maximum 450mm centres (4) 23mm Framing Cavity Framing: 18mm Siniat Furring Channels on Clips at maximum 450mm centres (5) 2 x 10mm Mastashield Rw: 54; Rw + Ctr: 42 Insulation Pathway Total R-Value (note 7): 3 m2.K/W

1. Siniat SELECT Project is a proposal only and is subject to the project/builder's approval as many aspects of construction are not comprehensively covered. 3 Issue No. **Partition and Ceiling Information** 2. It is the responsibility of project certifier to determine if the specified products and performance properties including FRL, RISF, Rw, Rw + Ctr, Lnw and Total R-Value, etc. ratings are suitable for the intended 1/2 Page No. applications. 3. For dimensions and performance properties of systems in this document that use products not manufactured or supplied by Etex Australia and branded Siniat, refer to the relevant product manufacturer. Updated by Siniat Technical Services 16/09/2021 4. In wet areas, replace Mastashield with Watershield, Soundshield with Trurock, and Fireshield with Trurock or Multishield of same thickness, and replace 10mm Opal with 13mm Watershield. **Reviewed by** 5. For enhanced impact resistance, replace any plasterboard with Trurock of same thickness. 6. For framing design of internal steel walls and ceilings, refer to the framing tables in the Siniat Blueprint. For framing design of external steel walls and ceilings, please contact Siniat Engineering Services. Approved by 7. The Insulation Pathway Total R-Value of a system provided in this document is a sum of the thermal resistances (R-Values) of the individual component layers in a composite element including any building material, insulating material, airspace and associated surface resistances. It is an estimate only, calculated along the insulation pathway without taking into account the thermal bridging effects of framing components and may Siniat standard wall and ceiling systems recommended for Class 1a timber framed duplex or townhouses to meet not comply to the Section J of Building Code of Australia, NCC 2019 Volume One. It is also only valid for summer heat flow (mean temperature of 23°C). the acceptable construction provisions of the NCC. Copyright © 2020 Etex Australia Pty. Ltd.

PROJECT SYSTEMS SUMMARY

ILLUSTRATION ONLY, components shown are just representative, NOT TO SCALE!

Outside

#5: External Wall NCC-C1a-LB-A2

Oct 04, 2021

(1) 8.5mm EasyTex (2) HardieWrap Weather Barrier (3) 90mm Framing Cavity with 90mm Pink Soundbreak R2.7 Framing: Single 90mm MGP10 Timber Studs at maximum 450mm centres (4) 23mm Framing Cavity Framing: 18mm Siniat Furring Channels on Clips at maximum 450mm centres (5) 10mm Opal

Rw: 50; Rw + Ctr: 38

Insulation Pathway Total R-Value (note 7): 2.95 m2.K/W



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PROJECT SYSTEMS SUMMARY

Oct 04, 2021