

Installation Guide - EcoEnergySystems®

To ensure the correct installation of EcoEnergy® Lightweight Building Panels as cladding for housing, the following steps must be followed.

- Stud spacings for fixings to be maximum 600mm apart
- Install breathable wall wrap to framework ensuring overlaps
- Use starter capped EcoEnergy® Lightweight Building Panel wherever panels are
 - In contact with the slab rebate
 - In contact with roofing materials when used on upper storey applications.
- Ensure rebates or footings are clear and level and install base sheet horizontally
- Using SA Ceiling & Wall Systems' Green UV treated 45mm washers in conjunction with galvanised class 3 screws [minimum 25mm deeper than panel ie use 125mm screw for 100mm panel], install EcoEnergy® Lightweight Building Panels with five fixings vertically across the panel face at each stud. **Ensure that washers are only indented to a maximum depth of 2mm not to perforate the base mesh.**
- Apply bead of sealant to window fixing fins prior to installation of panels thus forming an additional moisture barrier.
- Continue laying panels horizontally with staggered joins.
- Use packers to create a 10 mm gap to all horizontal and vertical joins and approx. 5 mm gaps against windows for reveal angles Remove packers once fixed into position.
- Apply PU expanding foam to adhere panels horizontally and vertically. We recommend doing this at the end of the day not to waste the product. Cut excess off flush when dry.
- Install 200mm wide adhesive backed fibreglass mesh evenly over ALL horizontal and vertical panel joins.
- Install meshed aluminium angles to all external corners.
- Allow control joints between upper and lower levels and above large width sliding doors or windows
- First coating: Apply a first coat consisting of a blend of EESyTough (2/3) and EESyWall (1/3).
- Second coating: Apply a second coat consisting of a blend of EESyTough (1/3) and EESyWall (2/3).
- Apply Acrylic Texture.¹
- Apply Acrylic Paint.²

¹ To comply with EcoEnergySystems®, coat with one of Astec Paints' acrylic textures.

² To comply with EcoEnergySystems®, apply Astec Energy Star Infrared Heat Reflective Dirtguard IR Elastic