

ACE GREY PANEL

PRODUCT SPECIFICATION BOOKLET



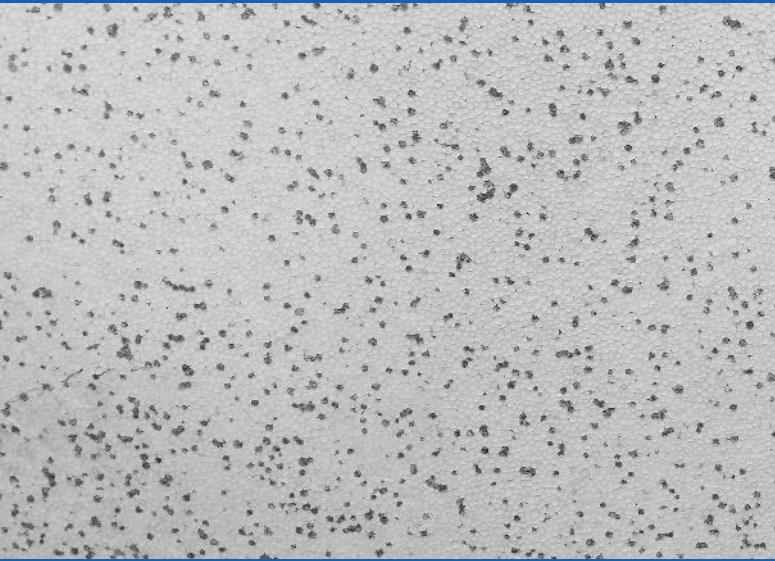
**WEATHER RESISTANT, SOUND REDUCING,
WATER RESISTANT, STRONG, LIGHTWEIGHT,
FLEXIBLE AND VERY ENERGY EFFICIENT!**

BAL29
(AS1530.8.1-2007)

BUSHFIRE ATTACK LEVEL TESTED.

ACE PRODUCTS

WHAT WE OFFER



WALL PANELS

Sizes Available

2500mm x 1200mm x 40mm
2500mm x 1200mm x 50mm
2500mm x 1200mm x 75mm
2500mm x 1200mm x 100mm
5000mm x 1200mm x 75mm
5000mm x 1200mm x 100mm

Custom Sizes

Length Up to 5000mm
Width Up to 1200mm
Thickness Up to 600mm



ACCESSORIES

Accessories for Our Panels

- Fiberglass Mesh (Non-Adhesive)
- Screws
- Washers
- Cans of Expandable Foam

Tools of the Trade

We also offer a large range of quality tools for renderers and tradespeople.

From floats, protection tapes, masking films to drill mixers and trowels and much more.



INSTALLATION

We offer the complete installation service

From sarking to render, we are able to help you from start to finish.

Whether you're building a new house, or re-cladding and renovating!

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FOR MORE
INFORMATION
VISIT US ONLINE AT
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ACE GREY EPS FOAM PANEL

ACE Grey EPS Foam Panel is an Insulated Wall Foam Panel that joins exterior cladding hand in hand with great insulation properties, so you can achieve great energy ratings and efficiency. ACE Grey EPS Foam Panel is made of high quality expanded polystyrene, which positions the ACE Grey EPS Foam Panel cladding to have insulation options which range from 1.92 R to 3.96 R.

ACE Grey EPS Foam Panel Insulated Wall Panel is a very lightweight, energy efficient product, and once it has been coated, the panel provides a weather resistant, great looking, seamlessly rendered finish.

ADVANTAGES

ACE Grey EPS Foam Panel complies with the requirements of the BCA.

BAL29 BUSHFIRE ATTACK LEVEL

ACE Grey EPS Foam Panel has passed extensive fire testing (in accordance with AS1530.8.1-2007), undertaken by global testing company Exova, that enables ACE Grey EPS Foam Panel to comply in BAL29 areas (Bush Fire Attack Level).

Great Insulation

All materials used for insulation are rated for their performance in restricting heat transfer. This rating is expressed using an R-value. The greater the R-value the greater the insulative properties.

A Fire Retardant

The ACE Grey EPS Foam Panel contains a flame retardant and will not sustain a fire. The spread of flame index is zero, meaning that it is not an ignition source in the case of a fire. If a fire should occur, the fumes released will be of the same harm levels as other traditional building materials, including timber.

Simple to Use and Install

ACE Grey EPS Foam Panel panel sizes are 2500 x 1200 and 5000 x 1200 which allows installers to quickly, simply and cost effectively cover external walls. When building, our panel will enable you to get a finished product in a short amount of time.

Environmental Consideration

ACE Grey EPS Foam Panel requires very little energy to produce when compared to other materials. Having the environment in mind - our product contains no CFC's or HCFC's, and none are used in the manufacturing process. ACE Grey EPS Foam Panel is recyclable, or it can be used in walls or roofs for added insulation.

A Seamless Finish

A reinforced render is applied to the ACE Grey EPS Foam Panel at approximately 4.8mm-8mm in thickness. This allows renderers to achieve a seamless, plumb finish. We recommend that any render used over ACE Grey EPS Foam Panel should be specified by a coating manufacturer.



PRODUCT DATA

ACE Grey EPS Foam Panel is an insulative wall panel systems suited for any external cladding of timber or steel framed buildings. It can also be used in masonry or concrete walls. Once finished and sealed, our system provides a weather resistant, seamless finish in a very wide variety of textures and colours. It will also provide continuous great thermal insulation throughout the entire wall where our panel is used.

This walling system is now very well established in Australia, and can be used reliably in our varied climate. In areas which are both hot and dry, or highly humid. Our product is cost effective, energy efficient and flexible. And ACE Polystyrene Products is always seeking to make improvements to our product specifications and benefits.

1.0 WALL SYSTEM

Walling System Overview

- 1.1** Our system consists of a flame retardant, expanded polystyrene (EPS) board. The board is then fixed to a timber or steel stud frame, or even a reinforced concrete or masonry wall.
- 1.2** ACE Grey EPS Foam Panel Washers and Screws (Class 3) must be used for fixing to timber or steel framing, while special anchors are used for fixing to masonry wall surfaces.
- 1.3** External PVC angle beads and window trims. These must be UV stabilised.
- 1.4** An acrylic render reinforced with a fiberglass mesh (Non-Adhesive).
- 1.5** Acrylic texture coat along with an optional pigmented membrane finished in a specified colour.
- 1.6** The ACE Walling System which incorporates the above creates a complete cladding from the stud frame to the rendered and painted surface.
- 1.7** The finish is of a very high impact strength.
- 1.8** Use of our system will offer sound reducing properties.
- 1.9** ACE Grey EPS Foam Panel is an extremely energy efficient product, which will reduce the cost of heating a house in winter and cooling a house in summer.
- 1.10** ACE Grey EPS Foam Panel Insulative Walling Systems allows for a vast array of architectural designs, finishes and colours.
- 1.11** ACE Grey EPS Foam Panel Insulative Walling Systems is the ideal material for easy, lightweight construction.



2.0 TECHNICAL PROPERTIES & ADVANTAGES

ACE Grey EPS Foam Panel is manufactured using high density, enhanced expanded polystyrene. The raw material for manufacturing is produced as a by-product during the manufacture of oils. ACE Grey EPS Foam Panel is manufactured without using CFC's and does not contain or release any form of poisonous gas. On the contrary, our panel is actually made up of 98% air trapped within a sealed structure of polystyrene. The air held inside the material accounts for the extremely good insulative properties of our panel.

Any offcuts of ACE Grey EPS Foam Panel can be used and glued within a wall cavity as additional insulation. This reduces wastage, and minimises any harm caused to the environment.

2.1 Energy Efficient Insulation

The ACE Grey EPS Foam Panel system is one of the most cost efficient methods of insulation.

ACE Grey EPS Foam Panel provides a continuous insulative shell around a building, unlike the traditional means of insulation, which are comparatively ineffective.

2.2 10yr Warranty

ACE warrants that the ACE Grey EPS Foam Panel sheets will be free from defects due to defective factory workmanship. The warranty extends to professionally installed products, providing they are installed according to the specifications and coated in the recommended way using the correct materials.

2.3 Render with ease

The surface of the ACE Grey EPS Foam Panel has the ability to be easily rendered once installed.

2.4 Energy Efficient Processes

ACE Grey EPS Foam Panel uses less energy in its production process than traditional building materials.

2.5 Stylish Render Finishes

Finish the polystyrene walls in a wide range of colour and texture options.

2.6 Freedom in Design

You are able to use our product in curved walls, rounded corners, raised areas, mouldings and many other architectural features.

2.7 Inert

ACE Grey Panel will not rot and provides no nutrition to insects or bacteria.



3.0 DESIGN INFORMATION

The ACE Grey EPS Foam Panel Walling System is able to create a sealed weather-resistant thermal barrier around the external walls of a building. This system allows a designer to provide a stylish, lasting render finish and comply with strict energy ratings required in modern building codes in a cost effective way.

Tests have proven that a correctly insulated building is able to reduce energy costs by up to 75%. This drastically reduces the running costs of a building when considering the energy savings.

3.1 Structure

ACE Grey EPS Foam Panel is available in the standard thicknesses of 40mm, 50mm, 75mm, 100mm. You can also specify a custom thickness for your panels. ACE Grey Panels have great structural integrity when supported by wall framing which is spaced at 450mm and 600mm maximum centres. ACE Grey EPS Foam Panel can be installed over masonry or brick veneer walls to increase the Insulative properties of the building.

3.2 Insulation Values

All insulation materials are rated for their performance in reducing the transfer of heat. This rating is expressed as an R-value. The higher the R-value, the better the insulating effect.

Thickness (mm)	40	50	75	100
R-Value (ACE Grey Panel)	1.03	1.29	1.94	2.59
Sarking, external coating, cavity, plasterboard, internal air film	0.89	0.89	0.89	0.89
Total R-Value	1.92	2.18	2.83	3.48

3.3 Impact Resistance

When installed according to our specifications, our product will have substantial resistance to impact loads which are likely to occur in normal use. The likelihood of damage in public, residential, commercial or industrial buildings should be considered in the design phase. Heavier grade fibreglass reinforcing mesh or multiple layers can be used to provide appropriate protection.

3.4 Non-Hazardous & Non-Toxic

Once installation is complete the ACE Grey EPS Foam Panel Walling System is non-toxic and non-hazardous.

3.5 Minimising External Moisture

Head, sill and jamb flashings must be used as specified by ACE. The ACE Grey EPS Foam Panel should not be allowed to come into contact with the ground.

3.6 Sarking

ACE recommends the use of a breathable sarking fixed directly behind the ACE Grey EPS Foam Panel.

3.7 Early Fire Hazard Properties

ACE Grey EPS Foam Panel contains a flame retardant which inhibits any accidental ignition from small flame source.

Note: ACE Grey EPS Foam Panel System must be separated from heat sources such as fireplaces, chimneys or flues. ACE Grey EPS Foam Panel System does not provide a fire rated wall.

ACE Grey EPS Foam Panel	Mean Temperature	Thermal Resistance	Apparent Thermal Conductivity
100mm Thick	23.0 °C	2.591 m ² .K/W	0.0385 W/m.K
40mm Thick	23.0 °C	1.030 m ² .K/W	0.0382 W/m.K



4.0 INSTALLATION PROCEDURE

4.0 Installation Procedures ACE Grey EPS Foam Panel

This manual provides information on the correct procedure and materials to be used when installing our ACE Grey EPS Foam Panel System over standard framed structures. Drawings and details are provided to help builders specify the correct design and detail of the system. These details will outline common applications. If there are any variations to discuss, please contact ACE Polystyrene Products. Failing to do so may void the product warranty.

These are the components that make up the ACE Grey EPS Foam Panel Walling System:

- Screws and washers
- Breathable sarking
- ACE Grey EPS Foam Panel
- PVC beads
- Acrylic render
- Reinforced mesh (Non-Adhesive)
- Texture top coat

These components are an essential part of the complete system and cannot be substituted with other materials.

4.1 Timber and Steel Frames

Timber and steel framing should conform to the Australian Standards, as well as local standards for structural requirements which include wind loading and bracing. ACE Grey EPS Foam Panel is not a structural material and should not be considered or used as a bracing material in any case.

4.2 Existing Timber Frames

When cladding existing timber buildings, inspection should be carried out by a qualified inspector, to identify any possible deterioration or insect infestation. Although our product provide no nutrition to insects, it will not stop or prevent any further infestation of an existing timber structure. Ensure that the timber frame is straight, sturdy and true. Request repairs to be made if it is not, as this could cause structural issues when cladding the frame.

4.3 Back Blocking (Off Stud Joints)

When you need to make vertical fixing of sheets and join off the stud, it is necessary to back block as per the following:

- By fixing an 'off cut' of stud material vertically, and securely nailing to the bottom plate and nogging. Alternatively, fix between nogging and top plate, making sure to glue both ACE Grey EPS Foam Panel sheet edges with No-More Nails and fixing through each sheet into the 'back block' with washers and screws at a maximum of 300mm centre's.



- Alternatively, when using horizontal panels, timber can be placed at maximum 300mm centre's between studs, as per the above procedure.



4.4 Solid Blocking and Fitting of Accessories

Great consideration should be given to the installation of any wall mounted accessories. It is very important to allow adequate nogging for these items before the installation of ACE Grey EPS Foam Panel or the use of ACE Fixing Screws.

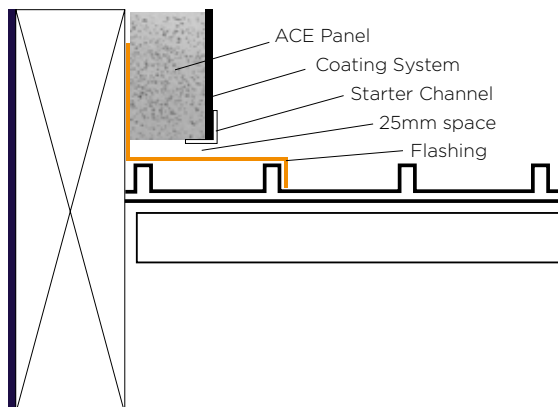
4.5 Electrical Cables and PVC

Any cables which penetrate the ACE Grey EPS Foam Panel System must be installed in conduit or ducts which are sealed to the cladding.

4.6 Flashings

All flashing to wall openings, and roof ections are to be installed prior to the fixing of the ACE Grey EPS Foam Panel System. And should always be capped off at the bottom edge of the panel sheet using a Starter Bead.

ACE Building Systems take no responsibility or liability for flashing or installations done by a third party.



5.0 FITTING WALL PANELS

5.1 Fitting ACE Grey EPS Foam Wall Panels

i. Before fixing panels check that the frame is straight, all windows and flashings are correctly installed and solid backing blocks are in place.

ii. Timber frames must have a moisture content of less than 15% before fitting our panels

iii. Measure and then cut ACE Grey EPS Foam Panels using a straight edge and diamond blade in a power saw or a hot knife cutter.

iv. Glue both horizontal and vertical ACE Grey EPS Foam Panel sheet edges to each adjoining sheet using No More Nails/Liquid Expanding Foam.

v. Fix washers and screws at 450mm stud spacings horizontally and 300mm spacings vertically. Lay sheet horizontally, and use 5 rows of fixings vertically.

- When making a butt joint, each sheet is fixed individually to the back-blocking or vertical noggin.

vi. When working around windows, doors or fixtures, you can cut a panel to shape in order to fit around any obstacles, in order to reduce infill.

vii. Allow a 3mm gap between ACE Grey EPS Foam Panel and any openings for beading and sealing.

viii. For external corners - ACE Grey EPS Foam Panel sheets are overlapped using the full thickness of the sheet and then fixed using our recommended construction adhesive.

5.2 Curved walls

40mm and 50mm ACE Grey EPS Foam Panels are able to be fitted to curved surfaces with a radius greater than 2-4 metres'. In cases of a tighter radius - use multiple layers of panel by laminating 2 x 20mm thickness of panel.

5.3 Expansion Joints

The use of expansion joints allow for movement within the building and avoids cracking in the wall areas. It also allows for movement between different materials while sealing the joints at the same time.

Placement of Expansion Joints	Maximum Distance
Horizontally (Wall Length)	9 metres
Vertically (Between Levels & Gable Ends)	3 metres
Above Large Openings	N/A
Internal Corners	N/A

5.4 Panel Specifications

Panel Thickness	Sheet Sizes	
20mm	2500mm	1200mm
40mm	2500mm	1200mm
60mm	2500mm	1200mm
75mm	2500mm	1200mm
100mm	2500mm	1200mm

5.5 Fixings - Accessories

Panel Thickness	Timber Frame	Steel Frame
40mm	10 - 8 x 65mm	75mm
60mm	10 - 8 x 100mm	75mm
75mm	10 - 8 x 100mm	100mm
100mm	10 - 8 x 125mm	125mm

Note:

Fixing Screws Must be Galvanised or Treated(Class 3). All washers and fixings are required to be at 300mm maximum centres. In corrosive environments, consider using marine grade stainless steel fixings.

5.6 Cutting and Tools Required (Table I)

Recommended Tools
Power Saw or Jack Saw with a diamond blade
Compact Drill
Straight Edge
Level
Chalk Line
Sealant Gun



5.0 FITTING WALL PANELS



5.0 FITTING WALL PANELS

5.7 Gluing and Sealing Materials

Components in Gluing & Sealing	
Construction Adhesive	No More Nails/ Expanding Foam (Polystyrene Safe)
Sealant	Seal n Flex (Polystyrene Safe)
Gap Filler	Expanding Foam

5.8 Beading Guide

Bead Type	Application
External Corner Bead	- External Corners - Window Heads, Sills and Jambs 40mm, 50mm, 60mm, 75mm & 100mm
Render Starter Bead	- Rebated Slab Edges - Above Roof - Exposed Subfloors - Elevated Projections
Reveal Bead	- Window & Door Jambs - Eave Lines - Vertical Expansion Joints
Sill Bead	- Window Sills
Expansion Joint Bead	- Flexible Control Joints

Note: Use only UV stabilised beads for external applications.

6.0 INSTALLATION OVER CONCRETE AND MASONRY

6.1 Preparation of Surfaces

Walls must be clean and dust free. Ensure there is no dirt, oil, crumbling or loose material.

6.2 Installation of ACE Grey EPS Foam Panel using a foam adhesive.

- i. When using foam adhesive, apply a large amount of adhesive to the middle of each masonry block to be covered.
- ii. Put the board in place and drill an 8mm hole through the masonry at each corner and offset in by 100mm.
- iii. Ensure a minimum of 10 masonry anchors for each 2500x1200 board using at least 2 staggered masonry plugs in the middle of the board.

Panel Thickness	Plug Length
40mm	80mm
60mm	100mm
75mm	120mm
100mm	140mm

6.3 Final Checking

Before applying render, any irregularities in the surface of the sheet or joins must be corrected using a foam shaver.

6.4 Expansion Joints

All expansion joints in the panel must be done throughout the cladding system.



7.0 RENDERING & COATINGS

7.1 Applying a 4.8mm - 6mm Render

Stage 1

1 x Coat of Acrylic Render
(eg. Macrender HBS, Rockcoat PM100, Dulux P400)

1 x Fibreglass Mesh Layer (Non-Adhesive) (160g/mm)

1 x Coat of Acrylic Render

Stage 2

Texture Coating (Option 1)

1 x Coat of Primer

1 x Texture Coating
(In your choice of colour)

1 x Coat Membrane Paint
(Unless the texture has Aquashield)

Sponge Finish (Option 2)

1 x Skim fine Coat

1 x Coat of Primer

2 x Coats of Paint

1 x Coat of Membrane Paint

NOTE: Only to be used as a guideline.

7.2 Handling and Storage of Panels

i. ACE Grey EPS Foam Panel should be stored flat with edges protected from damage by impact.

ii. ACE Grey EPS Foam Panel should not be stored in the open or fixed to a building for prolonged periods of time. Our panels should be protected from over exposure to direct sunlight and stored away from extreme heat and solvents.

7.3 Health and Safety Practices

i. ACE Grey EPS Foam Panels are non-hazardous.

ii. However, basic safety clothing and gloves are to be worn when handling or cutting the panels

iii. When using a power saw to cut ACE Grey EPS Foam Panel we recommended that a face mask and protective glasses are worn.

7.4 Estimating Hints

Measure m² of ACE Grey EPS Foam Panel required

+ 10% wastage

Expanding Foam:

Calculate 1 Can/10m²

Seal'n Flex: Calculate total window perimeter.

Allow 1 Tube/10Lm

Washers and Screws:

12/1m²

Fiberglass Mesh: Measure m²

+ 10% wastage

Render: 1 x 20kg Render Bag

With 3.5mm Bead: Approx 1.8m²

With 6.0mm Bead: Approx 1.1m²

Any offcuts can be placed in a wall cavity for added insulation.



8.0 SEALING PROCEDURE

8.1 Installing, Priming and Sealing Procedure

A great deal of care needs to be taken to ensure the installation of all PVC beading, and polyurethane joint sealing around window and door openings is carried out correctly. This is an extremely important part of using ACE Grey EPS Foam Panel, to ensure the building has a complete exterior weather resistant and insulation system.

- External and internal edges must be precise to make sure the finish is uniform and ready for sealing and rendering.
- Take care to ensure all beads are plumb and level.
- Priming and sealing requires much attention to detail to maximise water tightness of windows, doors and openings.
- Use the primer, and a clean rag, to clean the internal joinery which requires sealing (Perform only for 40mm reveal beads)
- Use masking tape, to stick with precision to frame of joinery, 4mm from the edge - which creates a neat line, ready to apply the sealant.
- Apply the sealant using a coving tool to precisely create an internal cove finish. (Only a high grade UV polyurethane sealant)
- Remove the masking tape from the join to leave a water proof seal.

I. EXTERNAL CORNER ANGLES BEADS

EXTERNAL CORNER

Install external corner angle beads to external corner edges by applying a large bead of No More Nails adhesive to both sides of the internal corner of the bead, press bead into position. Make sure the bead is straight, and then scrape off any excess glue.

WINDOW AND DOOR REVEALS

Render reveals to windows and doors. This is recommended for thicknesses above 60mm.

II. REVEAL BEADS/RENDER REVEAL TRIMS

Allow a 3mm gap between the panel and any openings.

III. RENDER REVEAL TRIM (SILL) - 40MM

Allow a 3mm gap between the panel and any openings.

IV. EXPANSION JOINT

1) Reveal Beads

Install 'reveal bead' to one edge of ACE Grey EPS Foam Panel by using a large bead of No More Nails, allowing a 6mm gap between sheets.



2) Expansion Joint Bead

Install an expansion joint between both ACE Grey EPS Foam Panel surfaces (leaving required gap). Applying two beads of No More Nails to either side of the internal corner will be sufficient if you allow the glue to penetrate the perforated edges. Scrape away any excess. Apply a primer before applying the sealant to create an expressed joint.

9.0 TRADE PRACTICES

Related Trade Practices

- All General Construction and Flashing Practices must be taken after in order to maintain water tightness. ACE Polystyrene Products will not be held liable for unprofessional flashing and installation practices.
- All external surfaces of the frame should be flush and parallel, with no setbacks or inconsistencies. It is also recommended that wherever ply bracing is fixed externally, ply packing should be fixed to the studs prior to fixing ACE Grey EPS Foam Panel.
- All exterior windows, doors and joinery must be fixed in position before the installation of the ACE Grey EPS Foam Panel to ensure water tightness and those components are fixed off plumb and are level.
- Back-blocking must be carried out prior to the installation of wall mounted accessories. Before installing the panel system.
- When using a termite barrier, it is a builder's responsibility to arrange its installation by a licensed qualified professional installer, before the installation ACE Grey EPS Foam Panel.
- If the panels have been rendered prior to internal plasterboard installation, all plasterboard panels must be screwed to the internal side of all external wall surfaces. If not done, defects could occur in the external render.
- When selecting an external paint colour, bear in mind that it should have a recommended minimum light reflectance value (LRV) of 40%.

Product Advisory Line - Ph: (02) 9791 1188

ACE Polystyrene Products happily offers a comprehensive advice service, in all aspects of it's product's use. Product information and assistance is available on request.



10.0 ACCESSORIES



11.0 ENVIRONMENTAL IMPACT STATEMENT

- ACE Grey EPS Foam Panel is made up of 98% air and therefore only 2% polystyrene which makes it a very efficient use of raw materials.
- ACE Grey EPS Foam Panel is totally inert, it is non toxic, free from any odours and nonbiodegradable.
- No CFC's or HCFC's are used in its manufacture procedure. Meaning there is no harmful effects on our atmosphere in the production process.
- When installed correctly, our product can reduce CO₂ emissions by up to 50%.
- The insulation rating of our panel does not diminish; which means the reduction in emissions lasts the entire lifetime of the building.
- The energy which is used to manufacture ACE Grey EPS Foam Panel is recovered through the energy savings of the building within 6 months.
- In a typical circumstance - for every kg of oil which is used during manufacture, roughly 200kg is saved due to the reduction in heating demands.
- All of our waste is recycled. Through re-using our off-cuts for additional insulation or it can be granulated and mixed with raw material to manufacture new product.



12.0 WARRANTY

ACE Polystyrene Products warrants to the purchaser of the Product and the last purchaser prior to the installation of the Product for a period of 10 years from the date of purchase that ACE Grey EPS Foam Panel sheets (the "Product") will be free from defects due to defective factory workmanship or materials and, subject to compliance with the conditions below, will be resistant to cracking, rotting, damage from termite attacks to the extent set out in ACE's relevant published Specifications current at the time of installation.

Nothing in this document shall exclude or modify any legal rights a customer may have under the Trade Practices Act or otherwise which cannot be excluded or modified at law.

CONDITIONS OF WARRANTY

The warranty is strictly subject to the following conditions:

i) ACE will not be liable for breach of warranty unless the claimant provides proof of purchase and makes a written claim either within 30 days after the defect would have become reasonably apparent or, if the defect was reasonably apparent prior to installation, then the claim must be made prior to installation;

ii) this warranty is transferable;

iii) the Product must be installed and maintained strictly in accordance with the relevant ACE Specifications current at the time of installation and must be installed in conjunction with the components or products specified in the specifications; Further, all other products, including coating and jointing systems, applied to or used in conjunction with the Product must be applied or installed and maintained strictly in accordance with the relevant manufacturer's instructions and good trade practice;

iv) the project must be designed and constructed in strict compliance with all relevant provisions of the current Building Code of Australia, regulations and standards;

v) the claimant's sole remedy for breach of warranty is (at ACE's option) that ACE will either supply replacement product, rectify the affected product or pay for the cost of the replacement or rectification of the affected product;

vi) ACE will not be liable for any losses or damages (whether direct or indirect) including property damage or personal injury, consequential loss, economic loss or loss of profits, arising in contract or negligence or howsoever arising. Without limiting the foregoing, ACE will not be liable for any claims, damages or defects arising from or in any way attributable to poor workmanship, poor design or detailing, settlement or structural movement and/or movement of materials to which the Product is attached, incorrect design of the structure, acts of God including but not limited to earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions, efflorescence or performance of paint/coatings applied to the Product, normal wear and tear, growth of mould, mildew, fungi, bacteria, or any organism on any Product surface or Product (whether on the exposed or unexposed surfaces);

vii) all warranties, conditions, liabilities and obligations other than those specified in this warranty are excluded to the fullest extent allowed by law;

viii) if meeting a claim under this warranty involves re-coating of Products, there may be slight colour differences between the original and replacement products due to the effects of weathering and variations in materials over time.

ix) to claim a warranty, photographic evidence is required to approve work and product conditions throughout the build. Ensure that each stage is well documented: before, during and after installation.

DISCLAIMER

The recommendations in ACE's specifications manual are based on good building practice, but are not an exhaustive statement of all relevant information and are subject to conditions (iii), (iv), (vi) and (vii) above. Further, as the successful performance of the relevant system depends on numerous factors outside the control of ACE (e.g. quality of workmanship and design), ACE shall not be liable for the recommendations in that literature and the performance of the relevant system, including its suitability for any purpose or ability to satisfy the relevant provisions of the Building Code of Australia, regulations and standards.





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