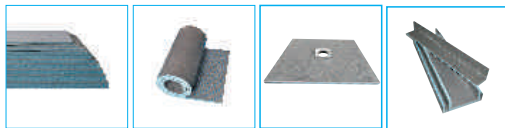




CASA TILE BACKER BOARD

WATERPROOF INSULATION BOARD
FOR WET ROOM AND BATHROOM



Casa Group Ltd

Authorised Installers of Casa Heating Systems

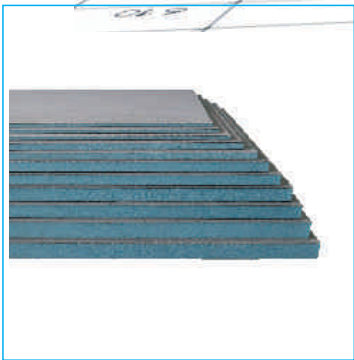
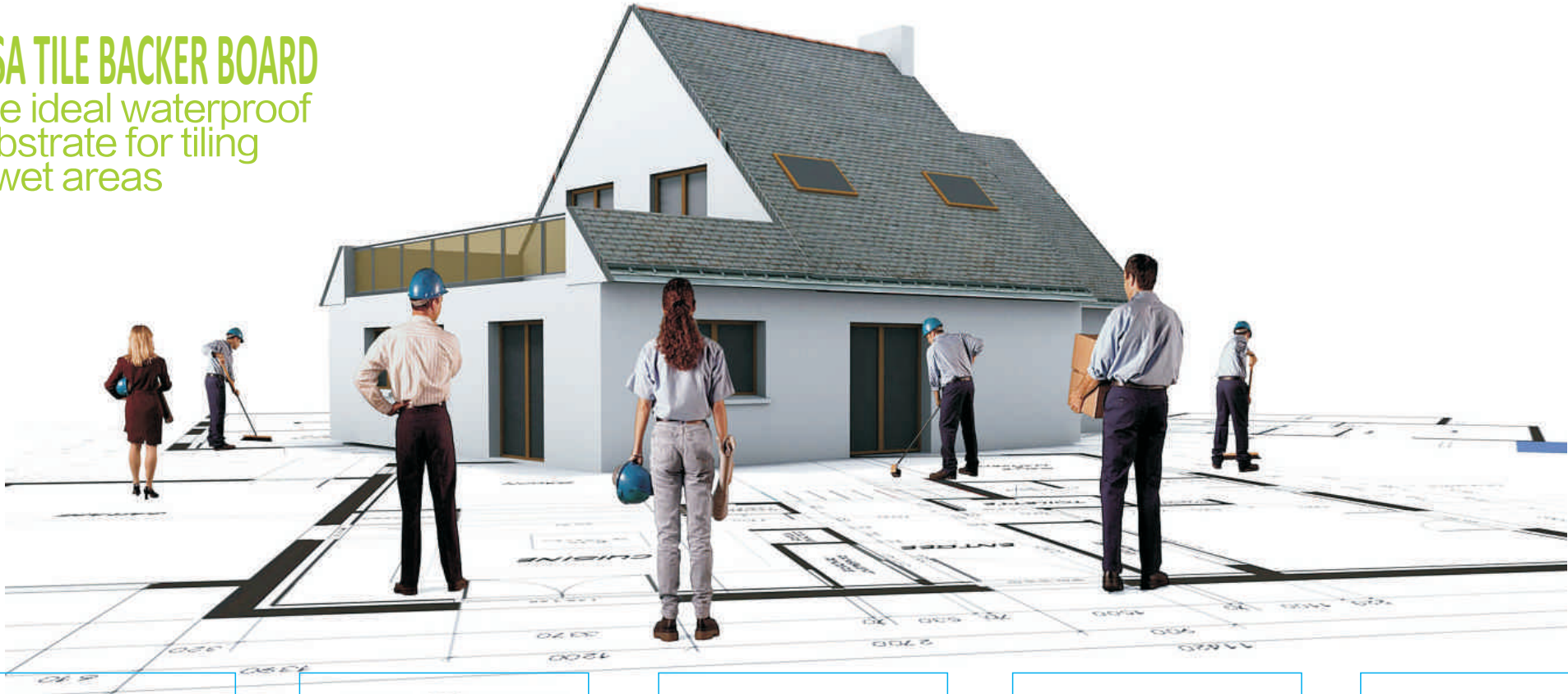
PO Box 35353
Browns Bay
North Shore 7543
Auckland



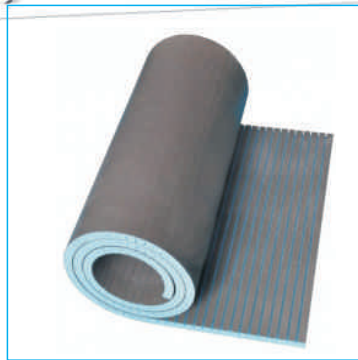
Telephone: 0800 00 22 72
E-mail: info@casaheating.co.nz
Web: www.casaheating.co.nz

CASA TILE BACKER BOARD

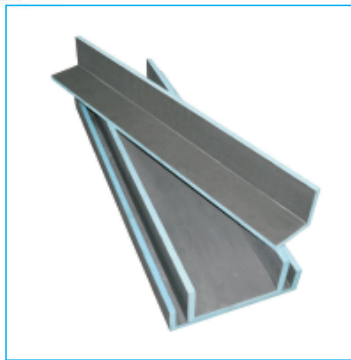
The ideal waterproof substrate for tiling in wet areas



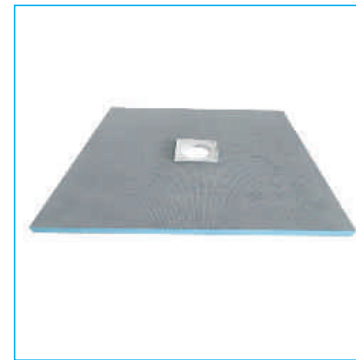
Tile Backer Board



Pre-slit Curved Board



Angled Pipe Boxing

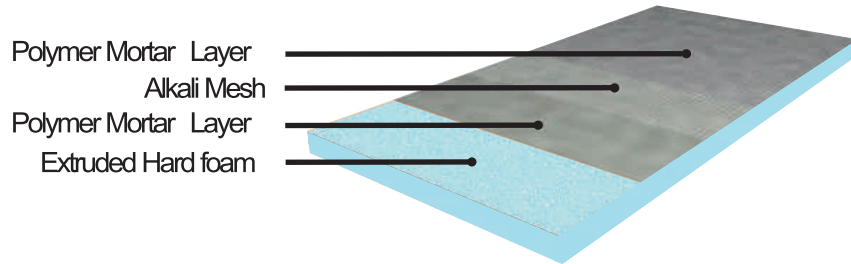


Shower Base



Toilet Tank Backer Board

WHAT IS CASA BOARD?

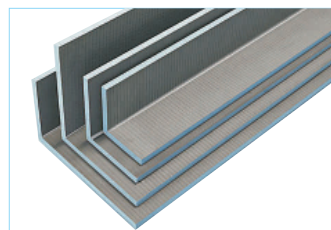
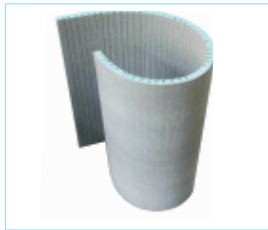
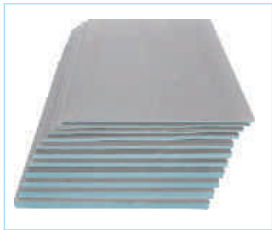


CASA – boards are of high performance, made up waterproof extruded polystyrene being faced with fiberglass mesh embedded into a polymer mortar on each side, which add extra strength and rigidity to the board.

CASA - boards can be used with all kinds of substrates and suitable for new-built and refurbishment project.

CASA – boards are totally waterproof and rot-resistant, making them the ideal solution for tiling wet areas like bathroom walls, showers and wet rooms.

CASA – boards is lightweight, easy to handle, easily cut and shaped with a sharp knife.



Composition & Materials

This product consists of an extruded polystyrene core, being coated on both sides with fiberglass mesh and polymer mortar.

Surface

Its surfaces are a layer of waterproof polymer mortar with shadow provided by fiberglass mesh inside it.

Color

Its surface color is medium grey and exposed edge is light blue.

Shape

The boards are rectangular, but can be cut to nay shape.

Limitations

CASA – boards should be adequately supported when installed over framing or other appropriate substrates. It should not be used over vinyl flooring and it is not intended to be used as a structural member.

Condensation & Waterproof

CASA – boards can offer significant resistance to water vapour transmission provided all the joints are taped and the tiling is bonded and grouted.

Performance in fire

CASA – boards does not change the fire resistance of the wall on which it is installed. CASA – boards are classified as class E according to EN13501-1. Recessed lighting must not be used with this form of insulation material.

Thermal insulation

CASA – boards will provide thermal insulation and for calculation purposes, the thermal conductivity (value) of the foam component should be taken as $0.035 \text{ W / (m}^*\text{k)}$.

Impact resistance

When tiled with ceramic tiles, CASA – boards provide superior anti-impact capability thus will not be easily damaged.

Wall-mounted

ADVANTAGES

CASA TILE BACKER BOARD THE IDEAL BASE FOR TILES



Casa board is an innovative underlayment for ceramic and natural stone tiles – suitable for all construction areas and for installation over metal and wooden stud frames, green masonry, and renovation surfaces.

For this purpose, Casa board offers the following properties:

- Impact resistant and rigid.
- Waterproof and temperature resistant
- Vapour retardant.
- Thermally insulating.
- Quick and easy to install.
- Lightweight, easy to handle and transport.
- Easy to cut (with a utility knife).
- Suitable for use on any kind of background substrate.
- Suitable for freestanding partition walls, shelves, Coverings and similar surfaces.



■ environmentally friendly



■ waterproof



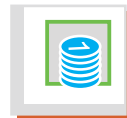
■ lightweight



■ insulating



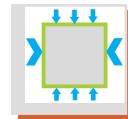
■ design variety



■ economical



■ easy to install



■ pressure-stable and rigid



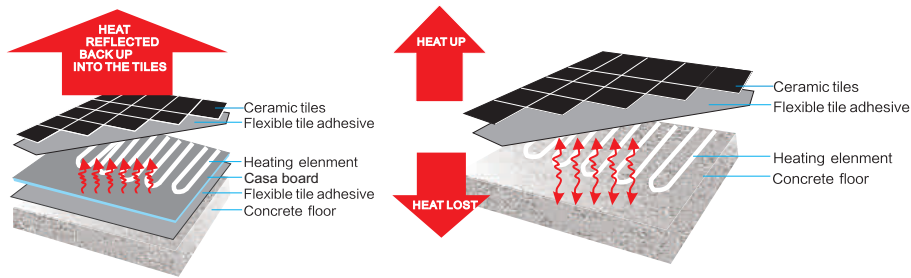
■ alternative surfaces



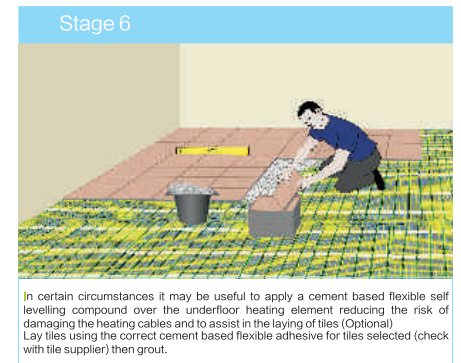
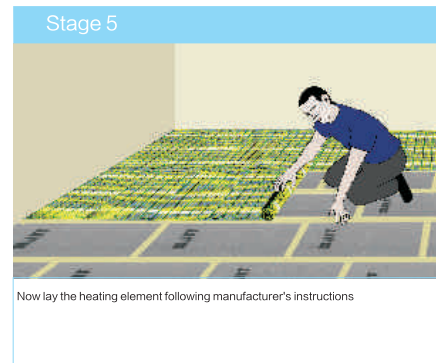
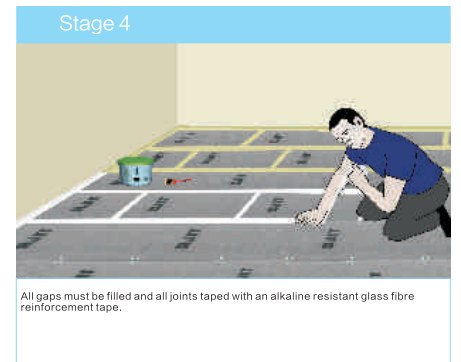
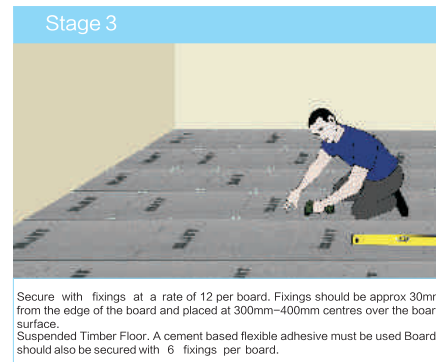
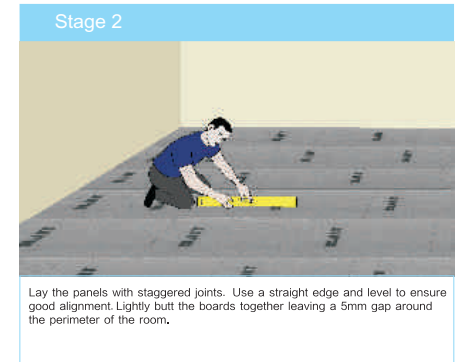
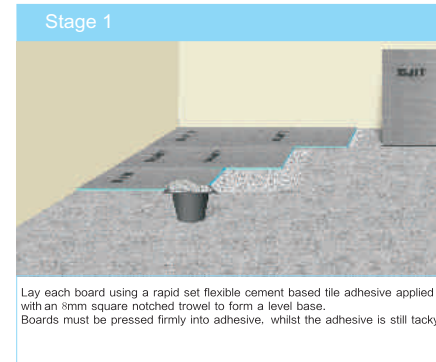
Technical performance

Property	Rating
Density	36kg/m ³
Thermal conductivity	≤0.035 w/ (m*k)
Compressive strength (10% deflection)	Minimum of 0.25N/m ²
Flexural strength	2.05N
Water absorption (2-day immersion)	≤ 1%
Water absorption (capillary)	Zero
Coefficient of linear expansion	30*10 ⁻⁶
Water vapour diffusion resistivity (μ)	110–225 μ
Water vapour permeability	0.028ng/pa.m.s
EU controlled substances content	None

Application underfloor heating



The strength and thermal properties of CASA – boards make them the ideal products to be applied under the heating elements. Without CASA – board, a great part of the heat created by underfloor heaters is lost downwards to the concrete slab. When CASA – boards are used, most of



Shower Tray/Base



Shower base is a floor level, barrier-free shower panel that is ready to receive a surface finish. Pre-laid to falls at min 2%. The Shower base is made of extruded polystyrene core or light solid polymer concrete. A thin stainless steel sheet reinforces the waste outlet hole.

The extruded polystyrene shower tray is reinforced with a fiberglass mesh set into a polymer cement finish on each side, making it impact-resistant. It is compatible with most tile adhesives. The XPS-Shower base must be fully supported by a structured floor. It is ideal for wet rooms and showers in confined locations. It can be easily cut to fit the shower area or to produce an irregular or circular shower base.

The solid shower base does not need to be fully supported by a structured floor. This is the main advantage of the solid showertray as it can be fixed directly to the floor joist. Unlike some other underlays, the solid Shower base is sufficiently robust to allow mosaic tiles or waterproof sheeting to be laid on it without the risk of compression through point loading.

CENTRE DRAIN SHOWER TRAYS

- 800*800*20mm 1000*1000*20mm
- 900*900*20mm 1200*1200*20mm
- 900*1200*20mm 1500*1500*20mm

