



**Dahlsens** SINCE 1877  
For the Builder.

**[NCC]**  
**SOLUTION**

**Dahlsens has a wide range of innovative product solutions to help you build to 7 Stars and mitigate condensation risk under NCC 2022.**

This is a selection of the key products available through Dahlsens for constructing healthy, higher performing homes at competitive prices.

## KEY NCC 2022 AREAS



### Energy efficiency

New homes must now meet 7 Star energy efficiency standards. This can be achieved through:

- ✓ Improving airtightness and reducing air leakage
- ✓ Better design and orientation standards
- ✓ Improved wall, ceiling and underfloor insulation
- ✓ Increased focus on high performance glazing



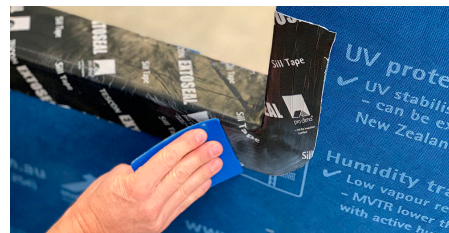
### Condensation management

Better management of moisture accumulation is addressed through:

- ✓ Updated standards to pliable membranes, so Class 4 in Climate Zones 5, 6, 7 and 8
- ✓ Exhaust system changes
- ✓ Changes in ventilation of the roof space



Pro Clima Solitex Mento® Plus



Pro Clima Extoseal®

Pro Clima offer weather resistant and airtight systems to create healthy, durable and energy efficient buildings. Their durable non-porous and vapour-permeable membranes help protect against condensation while improving the thermal efficiency of a home.



Key products	Purpose	Area of use
Solitex Extasana® Wall	Weather resistive barrier	Walls
Solitex Mento® Plus	Weather resistive barrier	Roof
Tescon Extoseal®	Flashing sill tape	Windows/openings
Tescon Extora® Profil	Split-backed flashing tape	Corners of windows/openings or complicated junctions



XCEM Alphafloor



XCEM produce Alphafloor solid concrete floor system, a high-performance structural flooring solution that is ideal as a second storey substrate or construction on piers. Makes a significant contribution towards meeting 7 Stars.



Key products	Purpose	Area of use
Alphafloor	Concrete floor panel system providing thermal and acoustic insulation	Structural flooring



Alpine Ventilation Header Box Exhaust Fan



Alpine Ventilation Roof Vent

Comprehensive and innovative fans, vents and accessories to help with condensation management. Designed to be visually appealing, cost effective, BAL rated and easy to install.



Key products	Purpose	Area of use
Roof vents, eave vents, wall vents	Natural ventilation	Roof, eaves, walls
Exhaust fans	High performance and general purpose, low noise airflow	Bathrooms, toilets, laundries, venting subfloor

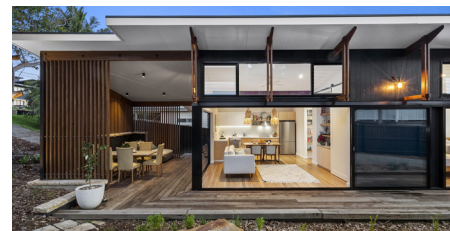




Leaders in Thermal & Architectural Building Solutions



*Bondor® InsulRoof® Next Gen Corro Roof*



*Bondor® SolarSpan® insulated roof panel*

Insulated sandwich panels and systems featuring insulated core encased in Colorbond® steel exterior. Offers thermal efficiency and quick installation.



Key products	Purpose	Area of use
SolarSpan®	Insulated roof panel	Roof
InsulRoof® Next Gen Corro Roof	Insulated panel with Colorbond® roof lines	Roof
LuxeWall®	Insulated walling system	Walls



## Insulation



*Bradford Gold*



*Bradford Optimo*

CSR Bradford offers a broad range of insulation products to help achieve 7 Star performance. This is complimented by ventilation and wrap condensation solutions to meet NCC requirements.



Key products	Purpose	Area of use
Bradford Gold R6.0/R7.0	Insulation	Ceiling
Bradford Batts R2.5/R2.7	Insulation	Walls
Soundscreen 3.1	Sound insulation	Perimeters
Anticon 60mm	Insulation	Metal roofs
Optimo Batts R2.5	Insulation	Underfloor (suspended floors)

## Ventilation



*Bradford Windmaster*



*Bradford Airomatic*

Key products	Purpose	Area of use
Windmaster/Windmaster BAL	Natural ventilation to exhaust heat and moisture from roof space	Roof
Airomatic BAL	Low energy, powered smart ventilation, BAL rated	Roof
Maestro BAL	Smart, powerful fixed speed for continuous, high-performance ventilation, BAL rated	Roof
Supavent	Wind-driven ventilation	Roof





Foamex StyroTherm XPS



Foamex Expol

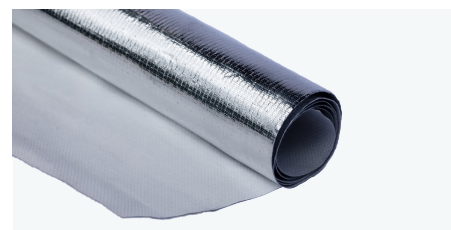
Manufacturer of alternate building insulation including expanded polystyrene, extruded polystyrene and specialty foam products.



Key products	Purpose	Area of use
StyroTherm XPS	Insulation to prevent thermal bridging	Raft or pod slab edge and under slab
StyroTherm EPS	Insulation to prevent thermal bridging	Raft or pod slab edge, under slab, wall and floor
Expol	Underfloor insulation	Subfloor and fittings



GIBS AirFlo™ Black



GIBS AirFlo™ Reflecta

GI Building Sciences (GIBS) produce environmentally friendly and fibre-free insulation for all types of construction to help manage condensation and improve thermal efficiency.



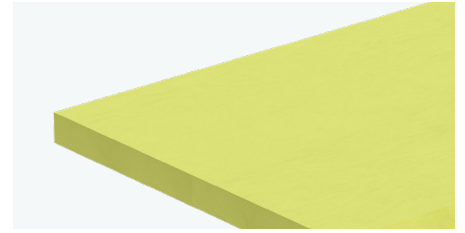
Key products	Purpose	Area of use
AirFlo™ White VPM	Vapour permeable membrane	Walls
AirFlo™ Black VPM	Vapour permeable membrane with black exterior for solar absorbancy	Roof
AirFlo™ Reflecta (Wall) VPM	Vapour permeable membrane that assists with thermal bridging	Walls
AirFlo™ Reflecta (Roof) VPM	Vapour permeable membrane that assists with thermal bridging	Roof



## Insulation



Kingspan Kooltherm



Kingspan GreenGuard

Kingspan produce insulation and building wrap that make a significant contribution towards 7 Star energy efficient homes. The Kooltherm range in particular provides a fast, easy and space-saving way to insulate.



Key products	Purpose	Area of use
Kooltherm K3 Floorboard	Thin, rigid board insulation to improve R value and help retain heat	Under slab
Kooltherm K12 Framing Board	Thin, rigid board insulation	Internal walls
GreenGuard 350	Extruded polystyrene resistant to passage of water vapour	Slab edge

## Condensation management



Kingspan Thermakraft Watergate Plus (custom printed)



Key products	Purpose	Area of use
Thermakraft Watergate Plus	Vapour permeable wrap to protect buildings and assist with condensation management	Walls



Mapei Shower Waterproofing Kit



Mapei Topcem Pronto

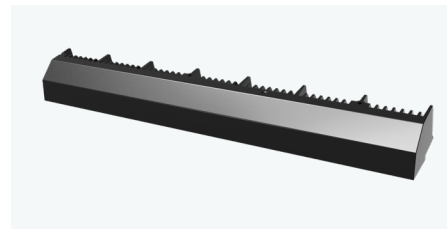
Quality waterproofing, slurry, screed and accessories to waterproof roofs, balconies, and wet spaces with confidence.

Key products	Purpose	Area of use
Waterproofing kits, slurries, screeds	Waterproofing	Wet areas, balconies





ProctorVent Vented Batten



ProctorVent Fascia Vent

Passive roof ventilation to assist with condensation management for a healthier durable home. Designed to manage moisture and mitigating condensation risks in non-habitable areas, specifically roof and wall cavities.



Key products	Purpose	Area of use
Fascia Vent FV10 / FV25	Ventilation to create positive airflow of 10,000mm <sup>2</sup> and 25,000mm <sup>2</sup> respectively.	Eaves
Vented Batten VB10 / VB20	Create a 10mm or 20mm cavity for ventilation and drainage in the wall cavity.	Walls
Ridge Vent RV10	Release airflow, can be cut to create an apron or barge ridge vent.	Roof
Eaves Baffle EB	Ventilation between the membrane or sarking and loft insulation.	Roof
Eaves Comb Filler ECF	Replaces profiled fillers that can block airflow into the roof spacing between underlay and roof cladding.	Eaves



Thermotek uPVC windows made to order



Thermotek windows and doors

Superior, energy-efficient uPVC windows and doors with advanced German technology. Windows and doors come with Uw 1.2 to 1.9 by WERS (Window Energy Rating Scheme) for energy efficiency.



For further information about these and other product solutions, please contact your Dahlsens Account Manager or local store.



**THANK YOU  
FOR CHOOSING  
DAHLENS.**