

THE BUILD - STAGE 4: FIRST FIX

WE STOCK A WIDE RANGE OF PLUMBING, ELECTRICAL AND TIMBER PRODUCTS SUITABLE FOR ALL APPLICATIONS, WHICH ALLOW YOU TO MEET THE REQUIREMENTS OF THE CODE.

UNDERFLOOR HEATING

A system of pipes under the floor is used to heat rooms in both domestic and commercial properties.

- Uses lower water temperatures which reduces energy consumption by up to 40%
- The low temperature suits heat pump systems
- Provides invisible heating
- Produces evenly distributed radiant heat which heats objects rather than the air and results in greater comfort.
- Less heat is lost
- Low maintenance

FULLY FLOATING FLOOR PRODUCTS

Floating Floor Panels are made from high-density extruded polystyrene with channels pre-cut into their upper surfaces, each containing an aluminium heat diffuser, ready to receive a heating pipe. A polyethylene film covers each panel to prevent 'ticking', it fixes the diffusers in place and protects the pipe channels. End panels also have pre-cut channels, looped to take heating pipe around the turns at minimum 240mm diameter to comply with BS 7291. The floating floor deck is supported by and in contact with, the heating panels. No air gaps remain which would reduce thermal performance and no plugging is required.

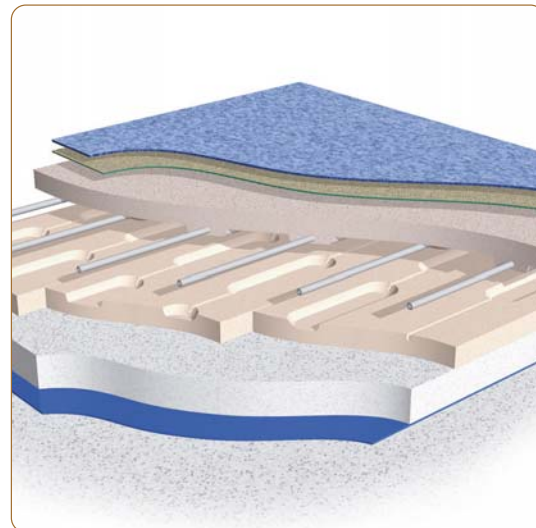
TIMBER JOIST PRODUCT

Batten/Joist Panels are formed from 50mm high density extruded polystyrene. Each panel has channels pre-cut into its upper surface at 200mm centres, with factory-fitted aluminium heat diffusers, ready to receive the heating pipe. A polyethylene film covers each panel, preventing the floors from 'ticking'. It fixes the diffusers in place and protects the pipe channels from grit and dirt ingress before installation.

SCREEDED FLOORS

Where the requirement is to create an Underfloor Heating system within a screed, either to keep costs low or for small/ irregularly shaped floor areas, the best solution is to hold the pipe in place with OSMA Screw Clips or OSMA Staples set below the screed and purchased separately. The choice of whether to use staples or screw clips is made according to type of insulation used.

- Screw clips - an excellent fixing into most forms of insulation
- Staples - a secure fixing into harder insulation types and offer quicker installation. Heating pipe can be set at any spacing or pattern at the installer's discretion



Category Energy & CO₂ 1 AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

INTERNAL WALL INSULATION

Insulation/plasterboard laminates or wooden battens in-filled with insulation or flexible linings to a total thickness of up to 90mm is fitted to internal walls. This is cheaper than external wall insulation and could save between £95 and £300 a year on a householder's, resident's or landlord's energy bill, depending on the type used.

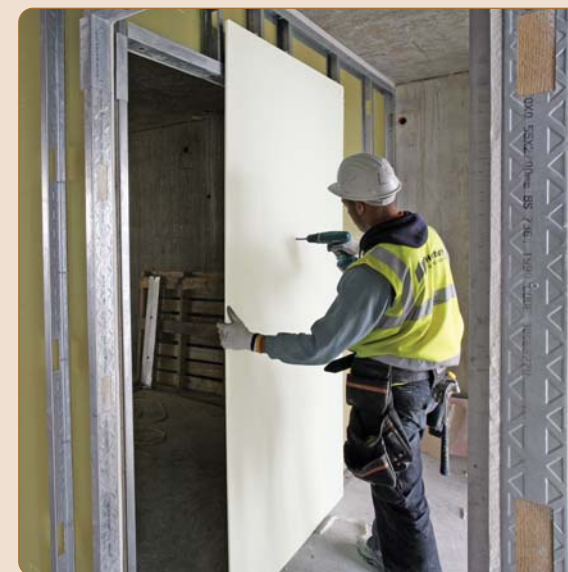
Category Energy & CO₂ 1 Category Pollution 6

AVAILABLE FROM TRAVIS PERKINS, KEYLINE & CCF

PLASTERBOARD

Knauf Futurepanel is the UK's first carbon neutral plasterboard, combining excellent sound and fire resistance with 'green' credentials that are a positive response to the government's Code for Sustainable Homes.

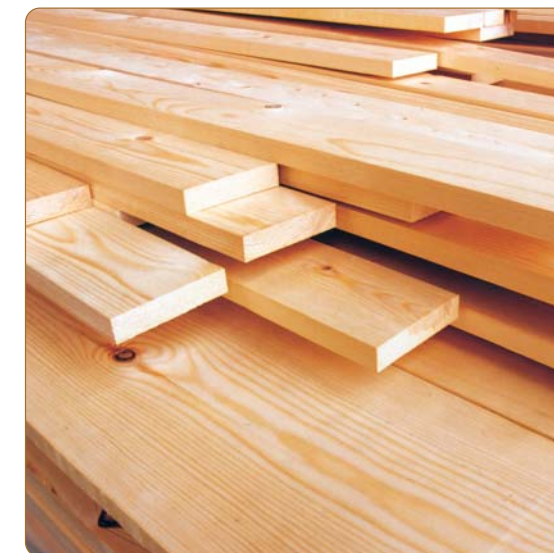
Knauf Futurepanel is a premium plasterboard with a core made from at least 10% recycled gypsum and the rest from the most sustainable sources available. The liners are made from 100% recycled paper. Futurepanel is a 10kg/m² board and can be substituted for standard wallboard in partition and lining specifications, giving identical or better system performance.



Category Materials 3 AVAILABLE FROM CCF, KEYLINE & TRAVIS PERKINS

SHEET MATERIALS & TIMBER

Travis Perkins timber, sheet materials and joinery purchases and sales are governed by controls in place at all our branches as part of our chain of custody certification. Much of our stock is certified to either FSC or PEFC standards which will allow developers to meet the requirements of the Code.



Category Materials 3 AVAILABLE FROM KEYLINE & TRAVIS PERKINS



THE BUILD - STAGE 5 THE SECOND FIX

WE STOCK A WIDE RANGE OF PRODUCTS TO COMPLETE ALL PROJECTS INCLUDING SANITARY AND BRASSWARE, BOILERS AND TIMBER.

HIGH EFFICIENCY CONDENSING BOILERS

A high efficiency condensing boiler works by recovering waste heat which is normally rejected to the atmosphere from the flue of a conventional (non-condensing) boiler. The best high efficiency condensing boilers convert more than 90% of their fuel into heat, compared to 78% for conventional types.

This is accomplished by using a larger heat exchanger or sometimes two heat exchangers within the boiler. As a result, the temperature of the gases exiting the flue of a condensing boiler is typically 50-60°C compared with 120-180°C in a current non-condensing boiler.

Being more efficient means heating costs are reduced, saving homeowners, landlords and residents money and significantly reducing their CO₂ emissions.

Category Energy & CO₂ 1

Category Pollution 6

AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

FERROLI OPTIMAX HE

- All models 330mm deep for UK kitchen wall units
- New fascia with LCD control panel and full diagnostic software
- New boiler valve arrangement with integral filling loop
- New motorised valve assembly with built-in automatic by-pass
- New plug-in styler timer
- Solar & underfloor compatible
- Outside temperature compensation



SEDBUK
A
RATED

5
year
guarantee

GLOW-WORM ULTRACOM

Top performance range of appliances with new inbuilt digital programmer and tried and tested stainless steel heat exchanger for the ultimate in home comfort.

- Range suitable for apartments to large detached 2 bathroom houses
- Combi, Open Vent and Sealed System models
- Stylish inbuilt digital controls providing 24 hour or 7 day time and temperature control
- Stainless steel heat exchanger
- All models LPG compatible without the need for a conversion kit



SEDBUK
A
RATED

2
year
guarantee

BIOMASS BOILERS

Stoves or boilers are used to heat rooms or water by burning biomass – waste organic materials directly from plants or indirect from industrial, commercial, domestic and agricultural products.

It is a carbon neutral process as the CO₂ released is balanced by that absorbed during the fuel's production. Biomass can also contribute to waste management by harnessing energy from products that are often disposed of at landfill sites.

Homeowners, residents and landlords could save around £200 a year in energy bills and around 8 tonnes of CO₂ per year. But unlike other forms of renewable energy, biomass systems require the homeowner to pay for the fuel. Fuel costs generally depend on the distance from the supplier and whether it is possible buy in large quantities.

Category Energy & CO₂ 1

Category Pollution 6

AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

VAILLANT ecoTEC PLUS COMBI

WALL HUNG

- AquaComfort system ensures instant hot water delivery
- Fully modulating fan
- Built-in bypass valve
- Built-in 2 speed pump
- 2yr guarantee



SEDBUK
A
RATED

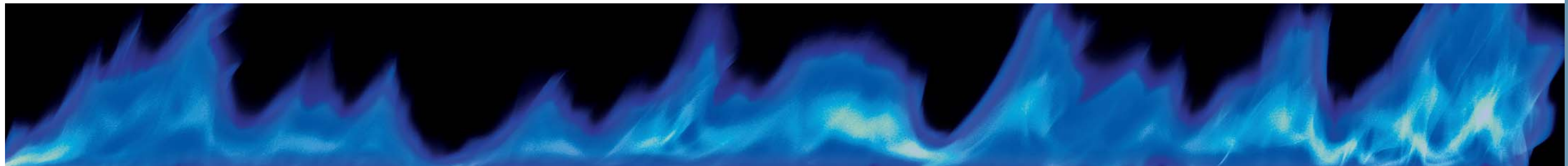
2
year
guarantee

NU-WAY ECOFLEX

DOMESTIC WOOD PELLET BOILER

The EcoFlex boiler is a highly efficient wood pellet boiler. An EcoFlex wood pellet boiler provides the same convenience of operation as an oil fired boiler but by burning wood pellets it does not add to the long term build-up of carbon dioxide in the atmosphere, considered a major factor in global warming.

- Compact design for easy insulation
- Automatic ignition and operation
- Separate connections for heating and domestic hot water circuits
- Designed for easy cleaning and maintenance
- Fully insulated to minimise local heat loss
- Simple and neat connection to pellet supply
- Can be supplied with stand-alone pellet hopper and automatic pellet feed system



THE BUILD - STAGE 5 THE SECOND FIX

CENTRAL HEATING CONTROLS

If a property has only a simple mechanical thermostat installed, it won't reap the energy-saving benefits of a replacement high-efficiency condensing boiler as it will rarely be running in condensing mode. Switching to an on/off electronic room thermostat can reduce energy costs and carbon emissions by over 2%. With an electronic thermostat with chrono-proportional capability even closer temperature control is possible with potential reductions of 10% in both fuel cost and carbon emissions.

Category Energy & CO₂  AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

HONEYWELL ST9400



CENTRAL HEATING PUMPS

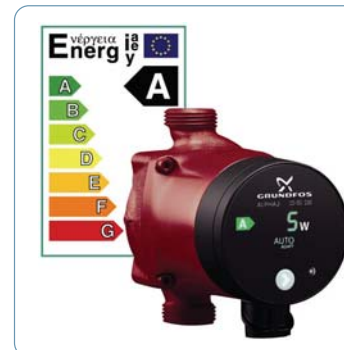
ALPHA PRO

The Grundfos Alpha Pro is fast and simple to install. Its installation flexibility gives the installer more room in the van by eliminating the need for several different pumps.

The Grundfos Alpha Pro operates as low as 6 watts in a typical home. This places it at the top of the A-range in the pump energy labelling scale.

We also stock a range of central heating pumps from Wilo.

Category Energy & CO₂  AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS




AIR SOURCE HEAT PUMPS

Air source heat pumps operate using temperature differentials in the outside air. Heat is extracted from the air, retained and then converted into high-grade heat to be released through underfloor heating, radiators and into the hot water tank.

Fitted outside a building or in the roof space with only limited electrical and plumbing connections, the simple installation also gives significant cost benefits over ground source systems.

They generally perform better at slightly warmer air temperatures but can provide heating at air temperatures as low as -20°C. On average customers can save £400 - £800 on heating bills and 2 - 8 tonnes of CO₂ per year, dependent on the type of fuel being replaced.

Category Energy & CO₂  AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

NU-WAY ECOAIR

AIR WATER HEAT PUMP FOR OUTDOOR INSTALLATION

The EcoAir is an air source heat pump which, integrated with an EcoEI, provides a complete heat pump solution for private houses and smaller properties. The EcoAir can also be used in conjunction with a new or existing heating boiler.

The heat pump is an air/water unit designed to extract low temperature heat from the surrounding air. The EcoAir is placed outside but usually close to the building being heated and has a 'footprint' of 500mm x 1200mm and, depending on output, varies from 1040mm to 1280mm in height.

- Provides, in conjunction with the EcoEI, heating and DHW down to outdoor temperatures of -15°C
- Equipped with a built-in control system to prevent freezing of the evaporator
- Easy to install, placed outdoors
- Economical operation all the year round
- High efficiency
- A wide field of application
- Scroll compressor with superior performance during winter-time
- Built-in soft starter



TRIANCO ACTIVAIR AIR SOURCE HEAT PUMPS



- High efficiency
- Compact & unobtrusive
- 3kW & 5kW output
- Low energy costs
- Provides high CO₂ emission savings
- Easy to install
- Flexible siting
- Digital remote programmer
- Latest compressor technology
- Incorporates circulating pump
- Competitively priced

HEAT PUMP CONTROLLERS

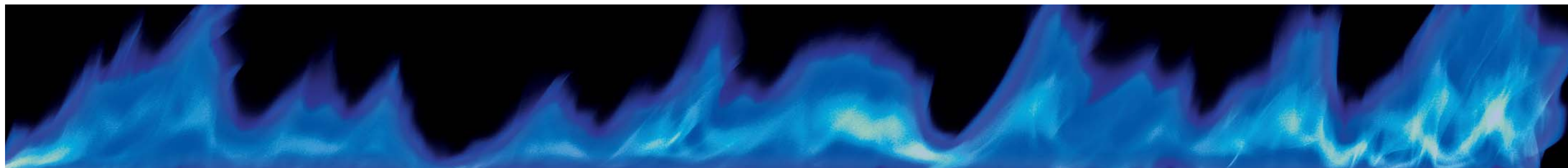
NU-WAY ECOLOGIC

HEAT PUMP CONTROLLER FOR BEDROCK, GROUND AND LAKE HEAT SOURCE

The EcoLogic is a complete control solution which handles the total supervision of the heat pump operation as well as the existing boiler. It is suitable for most heating boilers and water heating systems, including those without mixing valve operation. The EcoLogic is wall-mounted and is supplied with indoor, outdoor and primary flow sensors and required valves.



Category Energy & CO₂  AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS



THE BUILD - STAGE 5 THE SECOND FIX

TWIN COIL CYLINDERS

Twin coil cylinders are needed for use with solar and heat pumps. One coil is used for receiving the heat from the solar energy collector on the roof and the other coil is used to supply heat from the other main heat source when solar energy is insufficient.

Installers will have to use a different cylinder to those traditionally used, as they need to become more of a heat store, and will be bigger in size. Depending on the hot water demand they usually start from 550mm width by 1200mm height.

HEATRAE SADIA MEGAFLO

- High performance 'coil in coil' heat exchanger
- Exceeds CHESST Best Practice for recovery times and insulation
- CFC/HCFC free (ODP zero) foam injected insulation for maximum heat retention
- New water inlet controls increase flow rates by up to 35%
- Improved performance at low pressures down to 1 bar
- New installer-friendly design
- 25-year transferable cylinder guarantee

25 year guarantee



SANTON PREMIERPLUS

- Mains pressure hot water for balanced supply to showers and mixers – no shower pump to consider
- High flow rates give improved hot water delivery
- Equally suited to new build or refurbishment projects
- High-grade stainless steel for longer life
- Flexible siting of cylinder installation
- Complete package incorporates safety and hot water controls
- 25 year cylinder guarantee
- Also available in Systemfit format – pre-plumbed and pre-wired for simple and quick on-site installation

SANTON 25 YEAR GUARANTEE



Category Energy & CO₂ AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

SANITARY & BRASSWARE

By fitting a number of items that reduce the household water consumption you will achieve points within category 2.

Category Water 2 AVAILABLE FROM CITY PLUMBING & TRAVIS PERKINS

ROCA THESIS



Roca thesis is fitted with the innovative Ecodisk cartridge which acts as a flow regulator and a temperature control system, allowing the homeowner or tenant to choose between reduced or full flow water. This helps the environment by saving water and provides complete peace of mind by eliminating the chance of scalding. In addition to this, Thesis also includes an in-built flow regulator with a limit of 8 litres per minute for further water conservation.

LOW LITRE FLUSH TOILETS



The New Galerie Flushwise dual flush WC uses less than half the water of most toilets. According to UK Government figures, the average standard flush uses 9 litres of water. Galerie Flushwise uses 4 or 2.6 litres and leads the field for reducing water consumption.



LOW FLOW RATE SHOWERS



MIRA VIE

- Available in a choice of power ratings – 8.5kW, 9.5kW and high performance 10.8kW models
- ECO power setting uses less energy and water
- 2 year guarantee

All our bath suites have Category Standard 6/4 litre flush toilets. For information on our full range speak to your local branch. Examples of this are:

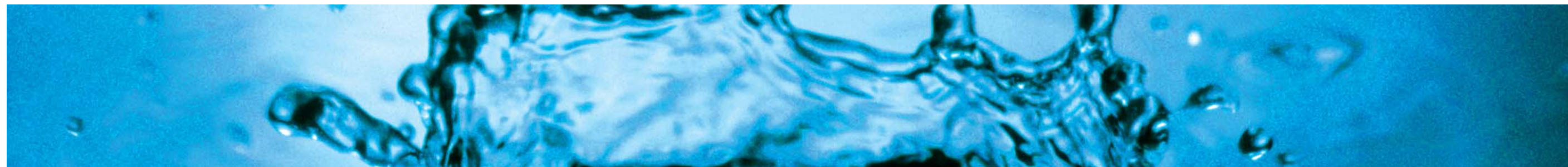
ROCA POLO



TWYFORD NEW GALERIE



KOHLER PATIO



THE BUILD - STAGE 5 THE SECOND FIX

FLOORING

We supply a range of different floorings from solid wood and laminate to stone and vinyl tiles. For full details see our Flooring Brochure.

Buying and selling timber in significant quantities comes with a social and environmental responsibility. We're committed to reducing our impact on the planet, working with suppliers and non-government environmental organisations to source our timber from renewable sources.

Category **Materials** **3** AVAILABLE FROM **TRAVIS PERKINS**

SCHÖNFLOOR

Schönfloor Solid Oak flooring is available in 80mm and 125mm widths and is a popular choice as the grade is clean enough to achieve a contemporary feel, but still has all the natural characteristics of a solid oak floor.



CHRISTINA MEYER

Christina Meyer only uses timber from FSC certified sources, to make their stunning floors. Each board has been made from nominated trees within managed and renewable forests, producing wood of the very highest quality.



TRANQUIL

A lightweight, one-part, underscreed system, offers a superior acoustic performance beyond existing solutions.

APPLIANCES

All our appliances are rated with the European Union Energy label. The label rates from A+--G, with A+ being the most efficient and G being the least. We have selected appliances that promote a high-energy efficiency rating to reduce household electricity consumption and enable you to achieve the required ratings in category 1 of the Code.

Category **Energy & CO₂** **1**

AVAILABLE FROM **BENCHMARK & TRAVIS PERKINS**

ENERGY **A** RATED

AEG AMERICAN FRIDGE FREEZER

- Stainless Steel
- Electronic controls
- Halogen light
- Multi Flow
- Ice and water dispenser
- Self closing doors
- 522 litre nett capacity
- Available on special order



ZANUSSI STAINLESS STEEL SINGLE FAN OVEN

- 3 functions
- Rotary oven controls
- Touch proof stainless steel
- Easy clean enamel interior



TRICITY BENDIX 60cm WASHING MACHINE

- White
- 5KG Wash Load
- 21 Programmes
- 1100rpm



ZANUSSI 45cm FULLY INTEGRATED DISHWASHER

- Push button controls
- 9 place settings
- 5 Programmes
- Residual drying
- Height adjustable baskets
- 1 fixed & 2 folding cup shelves
- 14 litres water consumption
- 53 dBA



THERMOSTATIC RADIATOR VALVES

Fitting thermostatic radiator valves will allow the temperature to be controlled accurately in each room where they are fitted. As the room heats up to a preset temperature, the valve will gradually close, reducing the amount of heat given out. As the room requires more heat, the valve opens, allowing more hot water in to the radiator. This can save considerable amounts of energy and cost by preventing some rooms in the home from becoming overheated.



iflo 15mm ANGLED TRV

Category **Energy & CO₂** **1**

AVAILABLE FROM **CITY PLUMBING & TRAVIS PERKINS**

ENERGY EFFICIENT LIGHTING & FITTINGS

Efficiencies of up to 80% can be achieved by fitting compact fluorescent lighting which is now available in many shapes and sizes. Dimmer compatible energy saving bulbs are also now available, and for new homes dedicated fixings for energy saving bulbs should be considered.

Lower wattage outside security lighting, combined with movement sensors, will further reduce the home's carbon footprint.

Category **Energy & CO₂** **1**

AVAILABLE FROM **TRAVIS PERKINS**



THE BUILD - STAGE 5

THE SECOND FIX

HOUSEHOLD RECYCLING CENTRES

Installing internal storage bins ensures the household has the facilities to recycle and will provide points on category 5 waste.

Category Waste 

AVAILABLE FROM BENCHMARK & TRAVIS PERKINS

SPACE SAVING TRIPLE WASTE BIN



AUTOMATIC PULL-OUT DOUBLE BIN



3 WAY RECYCLING BIN



DOORS, ARCHITRAVES & SKIRTING

Our timber buying policy and desire to ensure only timber from responsible sources is used, extends into second fix materials even when they may be highly engineered and composite products, making timber traceability harder. Please ask in branch about our range of FSC and PEFC certificated products in this category.

Category Materials 

AVAILABLE FROM KEYLINE & TRAVIS PERKINS



HOUSE USER GUIDE

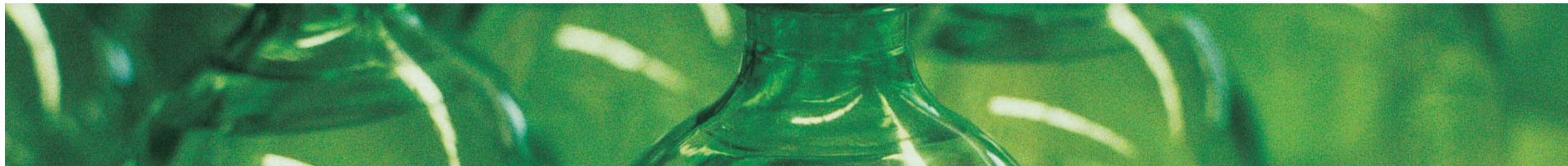
The modern sustainable home will have some features and benefits that are unfamiliar to future owners or occupiers, for example, heat pumps or solar hot water heating. In addition, there are many other improvements that owners can make themselves, such as buying and installing A+ certified white goods, recycling waste and using public transport to further reduce their new home's environmental impact.

As part of your sales and marketing strategy, it's worth considering producing a home user guide that points out in non technical language:

- How the new home works
- How it saves money and reduces environmental impact
- What sort of products customers should install and use for diy repairs
- How, by small lifestyle changes they can further contribute to sustainability

Its also a good way of securing code points and will demonstrate your commitment to reducing your housing product's environmental impact well into the future.

Category Management 



THE BUILD - STAGE 6: LANDSCAPING

OUR WIDE RANGE OF LANDSCAPING PRODUCTS ENABLE YOU TO CREATE AN IDEAL OUTDOOR LIVING SPACE WHILST MEETING THE REQUIREMENTS OF THE CODE.

SURFACE WATER DRAINAGE

Rainfall patterns are changing, resulting in longer dry spells and the depletion of natural watercourses. This, compounded by shorter, heavier bursts of rainfall, results in heavy volumes of water over short periods of time. Add to this the constant increase in hard standing surfaces as a result of urban development, and the result is an unsustainable increase in water run-off and a reduction in the overall natural water resources available to us.

Using surface water drainage products in conjunction with the stormwater management systems featured in the Foundations and Groundwork section will ensure the control of rainwater run-off from impermeable areas.

PRIORA® BLOCK PAVING

The unique patented design of the Priora® block creates voids at the joints, allowing surface water to pass naturally through into a specially calculated sub-base without compromising the integrity of the driveway, while substantially reducing the risk of pollution and flooding in the sewer systems.



Category
Water Run-off 4

AVAILABLE FROM
KEYLINE & TRAVIS PERKINS

ACO RAINDRAIN PLUS™

ACO RainDrain Plus™ is a versatile domestic polymer concrete channel system, particularly suitable for block paving applications.

- Traditional channel and grate appearance
- Lightweight, quick and easy to install
- Clip locking gratings
- Choice of galvanised steel grating for pedestrian areas and domestic drives, and cast iron gratings for light vehicle traffic
- Extended range of suitable applications
- Fully certified and CE marked to BS EN 1433:2002 Load Class A15 & B125
- B125 Load Class only with cast iron grating



ACO GROUNDGUARD

The award-winning lightweight ground reinforcement system. Ideal for stabilising grass or gravel, it helps eliminate the risks of pot holes, rutting or grass damage. The system is suitable for a wide variety of applications including paths, drives, parking areas and emergency access routes.

Ideal for a wide variety of applications – vehicle and pedestrian traffic, fire access lanes and parking areas.

- Lightweight – just 1kg per piece
- Easy to handle and install – simple clip-together fixings
- Easily cut to shape for irregular edging
- Cost effective solution – competitive with asphalt or block paving
- Suitable for gradients up to 5% or steeper when pegged
- Eliminates gravel migration and raking



GROUND GRID

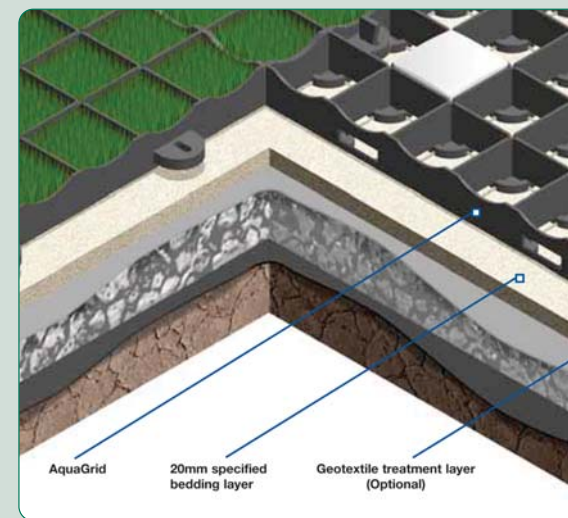


WAVIN AQUAGRID

AquaGrid is a high performance plastic pervious paving system for use in all types of Sustainable Drainage Systems (SUDS).

The AquaGrid system provides benefits over traditional forms of grass protection and gravel retention systems such as:

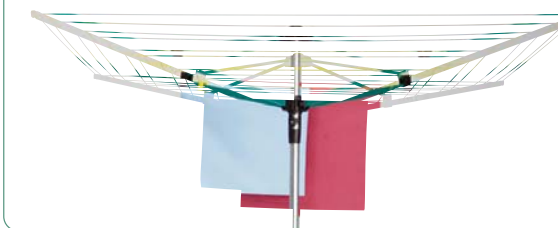
- Interlocking and pinning arrangement
- Inter-connecting modular units
- Lateral flow capability
- 90% surface area available for infill
- Demarcation Blocks available for identification of car park areas



WASHING LINES

Helps to meet the requirements of the code by drying clothes rather than using a tumble dryer

- Strong easy-clean line
- Weatherproof durable galvanised steel
- Ideal for medium (40m & 35m) or small (30m) family wash



THE BUILD - STAGE 6: LANDSCAPING

BIKE STORAGE

Sheds can provide extra storage space for bikes and other items. They are quick and easy to assemble, are delivered pre-treated and include a 10 year manufacturer's anti-rot guarantee.

OVERLAP SHED APEX ROOF

Based on the best selling traditional design, this shed provides additional security with a pad bolt. Available with or without window.



This product has been surface-treated with a preservative, giving a guaranteed service life of 10 years, subject to correct installation and to being isolated from direct contact with the ground. Dip Treated fence panels should be isolated from the ground by means of Pressure Treated or concrete gravel board.

Category **Materials** **3** Category **Energy & CO₂** **1**

AVAILABLE FROM
KEYLINE & TRAVIS PERKINS

COMPOSTING

Developers who provide home composting facilities in houses with gardens suitable for normal domestic non-woody garden, food and other compostable household wastes will be awarded points under category 5.

Category **Waste** **5** AVAILABLE FROM
TRAVIS PERKINS

FENCE PANELS

Providing even partially private outside space to a home is seen to add improved health and wellbeing.

As with all of our timber products, our purchasing and sales policy on fence panels is governed by controls in place at all our branches, as part of our chain of custody certification. All of our stock is certified to either FSC or PEFC standards which will allow you to meet the requirements of the code.



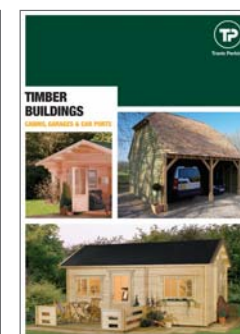
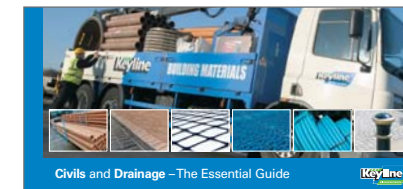
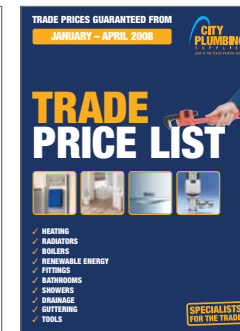
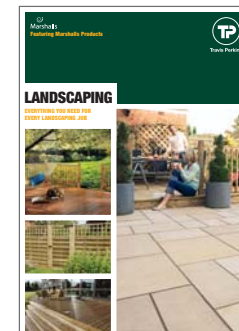
This product has been pressure-impregnated with a preservative, giving a guaranteed service life of 15 years. Subject to correct installation.

Category **Materials** **3** Category **Health & Wellbeing** **7**

AVAILABLE FROM
KEYLINE & TRAVIS PERKINS

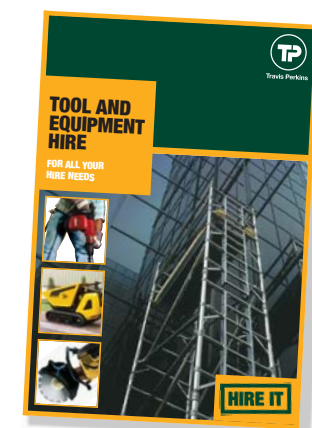
TRAVIS PERKINS GROUP LITERATURE

BELOW IS A SELECTION OF THE DIFFERENT BROCHURES AVAILABLE FROM OUR TRADE MERCHANT BRANDS THAT PROVIDE FURTHER INFORMATION ON THE PRODUCT RANGES THAT WILL HELP YOU COMPLY WITH THE CODE FOR SUSTAINABLE HOMES.



PICK UP A COPY OF OUR TOOL AND EQUIPMENT HIRE GUIDE

- **Large range of quality products** – from leading brand manufacturers
- **5-Star Safety Service** – we put safety first, so every piece of our hire equipment is fully and regularly serviced, maintained and tested
- **One call for all your hire needs** – our new national Direct Hire service gives account holders access to a countrywide choice of equipment
- **Guaranteed 4 hour delivery** – on in-stock items within 20 miles*
- **Member of Hire Association Europe**



FOR ALL YOUR HIRE NEEDS VISIT
YOUR LOCAL BRANCH OR CALL

0870 607 8700

*subject to availability

