



Construction
Products Group
Europe

Affordable Housing

—
A NEW DIRECTION



A FAMILY OF BRANDS UNDER ONE ROOF

CPG Europe manufactures high performance building materials in order to solve the complex challenges faced by today's construction industry. With over 1,400 employees across Europe, we are committed to shaping a world where buildings and structures save energy, last longer and exceed sustainability benchmarks.

Our detailed understanding of our customers, their markets and the demands of the industries in which they operate, enables us to offer bespoke product and service packages for the complete building envelope.

Over recent years, CPG UK has recognised and responded to the construction sector's demands for more efficient construction techniques and processes. Modern Methods of Construction such as ICF (Insulated Concrete Forms) is a key way in which this demand can be met.

With over 85 years experience within construction products, CPG Europe has created innovative and reliable solutions that meet the most stringent challenges of rapidly advancing modular manufacturing processes.

Working closely with our customers, we develop an understanding of their challenges and needs to offer a focused, innovative and tailor-made solution.

Europe's leading construction products brands...



Easier – Faster – More Efficient

Can you tell the difference



- 1 Nudura Solid Insulated Wall Structure
- 2 External Wall Insulation Systems

- 3 Seamless Resin Flooring
- 4 Sealing, Bonding and Insulation Solutions

Easier – Faster – More Efficient

Building for the future

Here at CPG UK, our goals are simple - to provide customers with a high-quality solution to building in order to reduce energy costs and contribute to living in a more sustainable, air quality controlled and comfortable living environment.

Working closely with a number of our market-leading product brands, architects, specifiers and project managers will have the opportunity to build utilising a true “fabric first” approach.

Priding ourselves on excellence in customer service, technical support and service delivery - working with CPG UK, will provide housing associations and local authorities an unrivalled advantage to building better for the future of living.



Contents:

A Family of Brands	2-3
Building for the Future	4-5
Changing the Build Mindset	6-7
The Anatomy of Better Building	8-9
Energy Efficient Homes	10-11
Building Value into Homes	12-13
Understand Nudura	14-15
The Dryvit Difference	16-17
CPG UK and our brands	18-19



Changing the build mindset

With the UK construction industry now targeted to produce new-build dwellings with a 30% decrease in carbon emissions, along with improved methods for energy consumption, utilising a fabric first approach is now more vital than ever before.

Around 40% of energy consumption originates from buildings across the UK, therefore it is only natural that the construction industry has been tasked to reduce emissions and energy usage. Here at CPG UK, we understand the importance of achieving these ambitious goals and have the portfolio of brands that will allow you to do so.

Our solutions ensure that a buildings envelope is compliant, sustainable and from a single source of supply. Beginning with the super structure from Nudura and the external wall finish from Dryvit, through to the airtightness solutions from Illbruck and the flooring from Flowcrete or TREMCO, our compatible systems work harmoniously together to provide the marketplace with a fabric first approach to buildings and homes.

Nudura solid insulated wall system (ICF) offer a variety of superior benefits when building a solid wall system. Our forms consist of two panels of Expanded Polystyrene (EPS) that are connected with our patented web system (which is made of 100% recycled material!). Nudura forms are stacked, steel reinforced and filled with concrete – which completes the building envelope of your dwelling in one building step. Available in a variety of sizes, our forms are designed to accommodate all types of building requirements and designs.



Faster build time



Simplified assembly



Sustainable solution

The anatomy of

Building Better

We understand the needs and demands that the UK construction industry face and that's why our products provide solutions to match the needs of professionals who install, design and develop both residential and commercial projects. Our solid insulated wall and external wall finishing systems combined provide an energy-efficient home solution, which will confidently meet today's building regulations all within the constraints of your construction budget.



Considering Build Value

When discussing product selection for your next project, it is important to consider value. Building with Nudura and CPG product brands has multiple advantages over traditional construction. Our solid insulated wall system combine design flexibility, efficiency and performance to create the ultimate building envelope solution.

Industry leading technology allows UK construction to get the walls up faster and easier, whilst insulating your properties from top to bottom. Nudura systems in combination with Dryvit external wall finishing system can provide up to *60% better energy savings.

How do we achieve that?

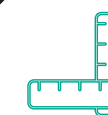
The thermal mass of the concrete, combined with EPS insulation and an approved external wall finishing system makes the buildings perform better compared to traditional products.



Reduction in labour costs and reduced scheduling



Reduced weather-related delays



Structural design flexibility and scalability of design



Lower initial build cost

Sustainability starts with Nudura

Energy efficient homes



Reduce energy expenses



Superior indoor air quality



Net zero potential build

Sustainable construction requires a balance between development and environmental benefits and should promote inter-generational fairness i.e. a better quality of life for present and future generations. When building with Nudura Solid Wall Insulated systems, structures will do just that.

Nudura building solutions are sustainable buildings, that offer a potential Net Zero energy build. Allowing architects, engineers, and designers to create buildings which are more efficient, sustainable and create less waste during the construction process.

Did you know: Nudura is 100% recyclable?

Whilst building with Nudura does require a different approach in design, our team of experts located across the UK, are on hand to help.



Eco-friendly building

Building value into homes

Nudura offers superior performance when it comes to thermal bridging, resulting in even temperatures throughout the structure which in turn reduces draughts and cold spots, ensuring occupants are comfortable no matter what temperature it is outside.

The solid mass of a Nudura structure has some unique properties. The monolithic concrete is layered between two continuous pieces of Expanded Polystyrene (EPS), which isolates the concrete and significantly reduces the flow of heat through a wall. With the high storage capacity of a Nudura wall and the low thermal conductivity – structures built with Nudura provide the most useful level of thermal mass. Simply meaning, less energy consumption is required in heating and cooling dwellings, resulting in greater cost savings throughout the life of the building.

Continuous insulation helps
to reduce energy loss inside

Also acting as an effective sound barrier by dampening sound vibrations from unwanted outside noise, Nudura solid insulated wall systems are ideal for both residential and commercial construction projects.

Long Lasting Building Solutions

Understand Nudura

When designing with Nudura, building finish options are virtually limitless. Nudura forms can have a variety of wall finishes applied to them to match any desired look and style.

Interior finishes are no different to exterior. Plasterboard or trowel-applied plaster materials can be easily attached directly to the Nudura Wall System using our fastening strips that are embedded within the EPS foam at 203mm centres.



Our technology

Nudura ICF forms are high-tech industry-leading insulated concrete forms that have proven technologies to make building easier and faster. The Nudura line of ICFs offer innovation that is exclusive to Nudura, which allows builders the ability to build and design structures with greater efficiency.



XR35

The XR35 has been created with a lower U-Value due to its 102mm EPS panels. It is available with a 150mm and 203mm core as a standard form and a 90° corner form.

The fastening strips remain 16mm below the surface of the EPS and are located at 203mm in the centre. The fastening strip is marked with a diamond pattern making fastening the interior or exterior finishes quick and easily on-site.

Benefits

- Newly designed fastening strip
- Patented technology
- Access to full on-site technical support through a dedicated distributor network



ICF 500

Our latest technology, ICF 500, comprises of the Nudura Solid Insulated Wall System and Dryvit's rendering system. Providing the marketplace with a fully BBA certified solution, our system allows architects, specifiers, developers, and self-builders to complete a Nudura project with an outstanding rendered finish, with complete peace of mind.

Benefits

- Multiple finishes available
- Fully certified solution
- Single source solution for building structure and external wall rendering finish



Dryvit has been designing and supplying External Wall Insulation (External wall finishing system) systems since 1969, focusing on high quality and innovative solutions.

We consistently deliver new products and systems to the market to meet and exceed the energy efficiency and safety requirements of building regulations. In addition to the functional benefits, Dryvit systems provide architects and investors with amazing design possibilities, and creative aesthetic design options.

THE DRYVIT DIFFERENCE

The Trusted, Cost-Effective Choice

The trusted choice for architects, building owners and contractors who want a high performance, insulated cladding solutions. Our systems have been installed in over 500,000 commercial and residential buildings across the world. With the use of efficient modern materials and installation methods, Dryvit systems have continually proven to be a cost-effective build solution. Whether installed in-situ, or prefabricated off-site, our systems can reduce construction time.

Energy Efficiency

Dryvit External wall finishing system systems reduce from 30% up to 70% of the energy required (for heating and cooling) to maintain and optimise the temperature inside the building.

Resistance to Weather Conditions

Dryvit systems are extremely durable and maintain their performance under the influence of atmospheric conditions such as; UV radiation, heavy rainfall, high humidity, variable wind loads and fluctuating temperatures.

A Wide Range of Aesthetic Solutions

Our materials allow designers to achieve standard aesthetic effects, e.g. pebble textured or coarse textured finish, as well as many unique decorative effects to stimulate the appearance of stone, granite, wood, brick, concrete, reflective and rusted metal panels - whilst maintaining all thermal advantages of an insulated facade system.

Safe and Durable System

Due to the design of a Dryvit system and the use of high-quality materials, we are able to provide unsurpassed long-term durability meeting design requirements in virtually any location.

Technical Support

Dryvit has built its reputation on the quality of our service as well as our outstanding products. Our team of technical experts fully understand the challenges in today's construction industry and that's why our team are on hand to support at every stage of your project. From initial product identification

through to project inspections, warranties and advice on maintenance schedules, our customers can be assured that help is on hand.

We also offer a range of training options, from on-site practical training to RIBA approved CPD's, here at Dryvit we ensure that our products are applied in the correct way to achieve lasting results.

Accredited solutions

Install with Confidence

Here at CPG UK we ensure that our products are tested and certified by third parties to give architects, specifiers, project managers and home-owners peace of mind that the products utilised to build their new homes perform to the required building standards.

Our in-house technical team are also on hand to ensure that our products are being installed correctly, and offer regular site support, on & off-site training, as well as a dedicated help-desk to answer all enquiries.

With detailed drawings, a dedicated technical representative per project and access to accredited systems, CPG UK give local authorities the opportunity to install with confidence on sites across the United Kingdom and Ireland.



Construction
Products Group
Europe



Delivering World-Class Construction Product Solutions.

The product brands housed within CPG Europe cover a wide array of different construction needs and provide a wealth of complex services, support and systems that are rarely found together under one roof.



Sealing, bonding
& insulation

Window Insulation, Façade Construction, Exterior Insulation & EIFS, Structural & Inplant Glazing



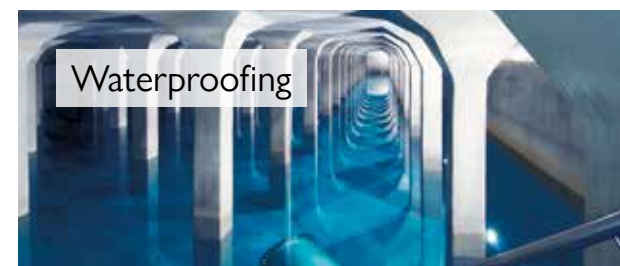
Passive fire
protection

Intumescent Coatings,
Fire Stopping



Flooring

Seamless Resin Flooring, Subfloor Preparation, Car Parking Structures



Waterproofing

Potable & Waste Water Industry, Balconies and Podia, Terraces, Basements & Foundations



Roofing

Liquid Applied Systems, Felt Systems, Vegetated Roofing

trusted brands
COLLABORATING FOR SUCCESS

Tremco CPG UK Ltd
Coupland Road, Hindley Green
Wigan WN2 4HT UK

www.cpg-europe.com
+44 (0) 1942 251400
hello@cpg-europe.com