



AGGREGATE
INDUSTRIES

Construction solutions for housebuilding

DELIVERING VALUE IN CONSTRUCTION MATERIALS AND SERVICES

Aggregate Industries has supplied some of the largest, most complex and high profile housing projects of recent times.

With over 350 locations in the UK, the Channel Islands and Northern Europe, we offer a unique portfolio and delivery of construction solutions, producing and supplying a wide range of construction materials.

In addition we offer a road contracting service that boasts over 70 years' experience in highways maintenance and road surfacing.

The Responsible Source™

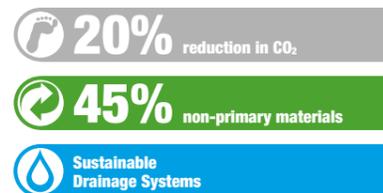


In 2009, Aggregate Industries became the first company in the world to be certified to BES 6001 'The Framework Standard for the Responsible Sourcing of Construction Products', by the Building Research Establishment (BRE). Today, the majority of our products are certified as VERY GOOD under the BES 6001 standard.

This means that our customers can have full confidence in sourcing materials from a responsible supplier and meet their own sustainability targets more easily.

Sustainability made clear

We introduced Life® to help our customers source sustainable solutions under one simple and easy brand. Each of the solutions that carries the Life logo meets or exceeds the three benchmarks that we have set in the key areas of carbon reduction, non-primary material content and water treatment or control within a SUDS solution as shown below. The sustainable contribution of each Life solution is clearly and simply quantified for our customers to reference. For more information on our Life range of solutions, please visit www.aggregate.com/life.



Life benchmarks

Today, the majority of our products are certified as VERY GOOD under the BES 6001 standard

CONSTRUCTION SOLUTIONS FOR HOUSEBUILDING

Our home is one of the most important assets in our lives, and is the foundation of our communities and the built environment.

It is important for our homes to be designed and built as sustainably as possible so that we can reduce energy consumption, lower our costs and create a more sustainable built environment.

Fabric first

The envelope (walls, roof and floors) is often referred to as the fabric of the building.

There is now a provision under the current Building Regulations Part L (Conservation of Fuel and Power; 2013 edition) for new dwellings to aim for better performing fabric U values and air tightness. This gives the designer the flexibility to incorporate, if required, enhanced U values for the fabric and so place less emphasis on external renewable resources etc that would otherwise be required to satisfy the SAP calculations, if the dwelling was designed to comply with the limiting fabric parameters (table 2 of Part L).

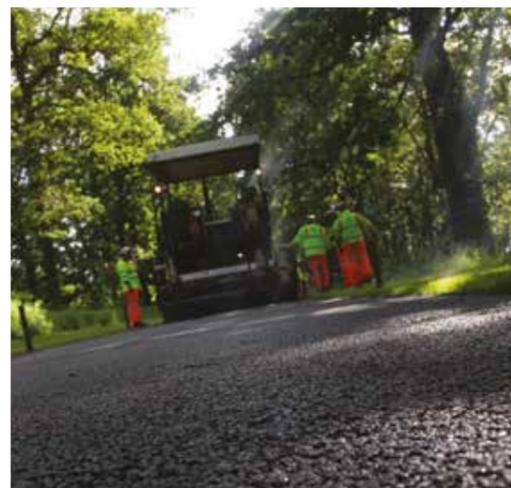
Section 5.4 (table 4) gives details of a "Notional dwelling specification" that includes examples of these enhanced fabric first values that can be followed if required. For further details please consult your local Building Control officer.

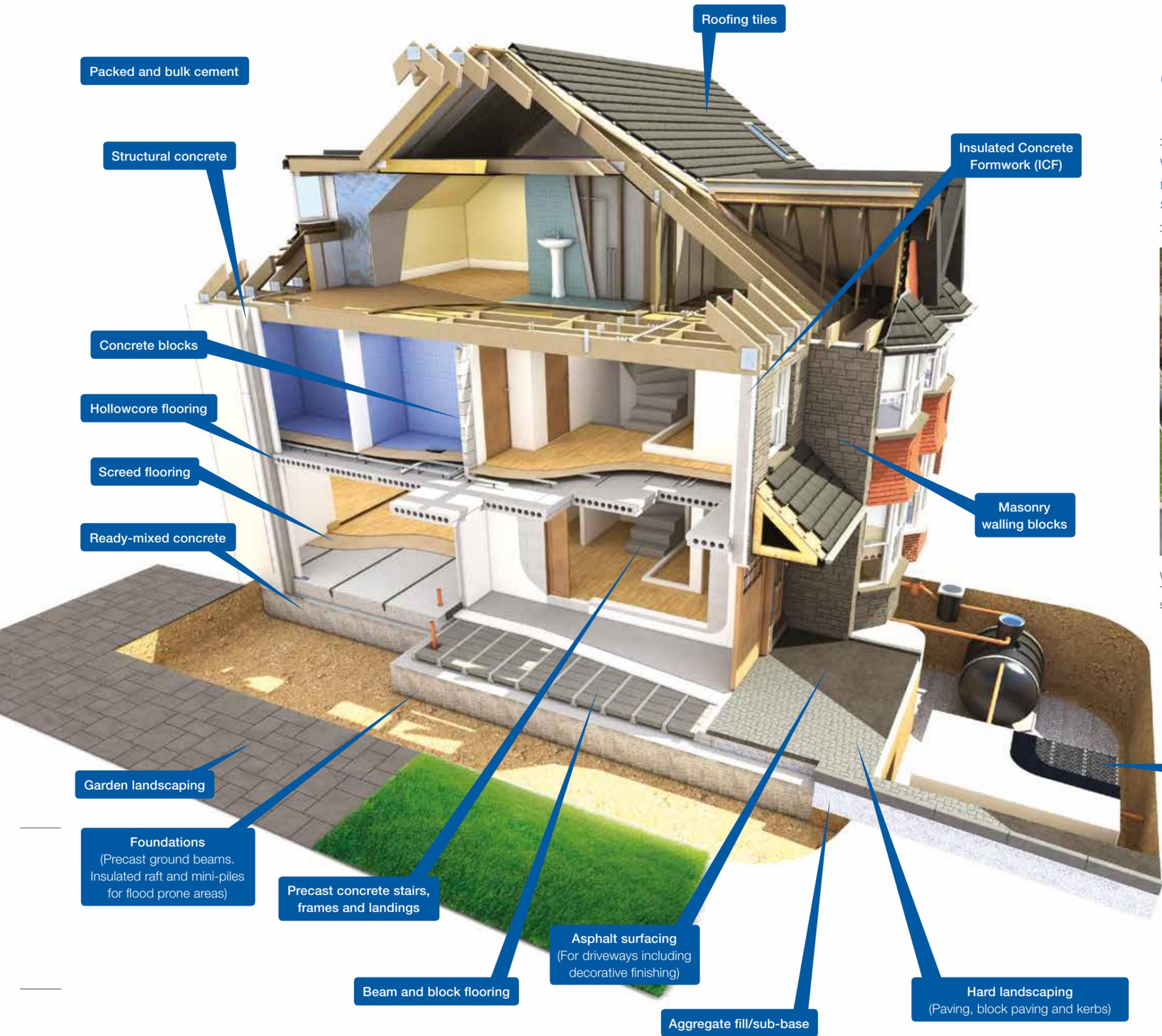
The latest Building Regulations update to part L (conservation of fuel and power) now includes a notional dwelling table, giving guidance on enhanced U values that can now be used for the improved fabric energy efficiency of a new dwelling.

To meet these values and to comply with all and any upcoming regulation amendments, it's important to know that you are working with materials manufacturers that are keeping abreast of everything that is happening with housebuilding regulations.

Aggregate Industries is one of those manufacturers. For example, our Masterblock range of concrete blocks is perfectly placed for the construction of traditional cavity walls for use with enhanced insulation or take a look at our ready-mixed concrete for Insulating Concrete Formwork Systems (ICF) which can be designed to achieve U values as low as 0.11W/m²degk if required. And with a huge range of other sustainable construction materials and services available, it's easy to see why we are the ideal materials partner for today's housebuilder.

Contact us today to see how our construction solutions can help you on 01285 646900





CONSTRUCTION SOLUTIONS FOR HOUSEBUILDING

With the widest range of construction products and services available, national coverage and sector understanding, we are your complete solutions provider for the housebuilding sector.



We have a portfolio of products and services designed to save time and money onsite. These products, coupled with our design ability and innovation, make us the complete solutions provider not only for individual houses but also entire developments.

To find out more about our product and service solutions please call us on 01285 646900 or visit www.aggregate.com

AGGREGATE INDUSTRIES OUR EXPERIENCE

Aggregate Industries has supplied some of the largest, most complex and high profile housing projects of recent times.

1. Passivhaus, Moreton-in-Marsh Concrete and precast

We were contacted to advise on the best concrete mix solution for England's first Passivhaus certified residential project.

We suggested the use of granite stent in the concrete mix. A by-product from the production of china clay in Cornwall, granite stent replaces the use of primary aggregate and consequently reduces the building's environmental impact. We also supplied precast concrete structural walling and roof panel products, that helped to achieve one of the best performing air permeability test results completed in the UK.

2. Sherston Housing Development, Wiltshire Roofing and walling

Sherston is a very attractive village set in the north-west of Wiltshire. Due to the rural location of this development, sustainability and aesthetics were critical, making Bradstone the ideal choice. We supplied both Bradstone Cotswold roofing slates and Bradstone Rough Dressed walling to maintain the desired results.

3. Shine-ZC, Derby

Insulated Concrete Formwork (ICF)

The Shine-ZC project in Derby is a residential development for the rental sector.

To help achieve its Code Level 6 (zero carbon) status, the external walls are constructed using Insulated Concrete Formwork (ICF). This consists of hollow, high-strength, lightweight polystyrene moulded blocks that are assembled and then filled with a 158mm concrete core. A C30/35, C11A concrete mix combined with an S3 mix pump and 10mm stone helped the concrete flow and reduce cover requirements. The forms remain permanently in place and provided a U-value of 0.15W/m²K.

4. Twiga Lodge, Surrey

Insulated Concrete Formwork (ICF)

A new build low energy detached 3 bed dormer bungalow, built to replace an existing 1940's brick bungalow of the same footprint.

The new project was designed with an insulated raft foundation in conjunction with ICF walls and an insulated panel roof system, achieving an overall U value of 0.11 W/m²degk and excellent air tightness. The project also uses a precast hollowcore first floor construction, providing 10m clear spans beneath.

5. Towpath project Insulated Concrete Formwork (ICF)

A new 3 bedroom house built on a riverside plot on the banks of the river Thames, built to replace an existing timber frame structure.

The area is prone to severe flooding, therefore as part of the planning requirements the project has been designed to sit on grid of bored mini-piles. A series of interlocking precast ground beams span between the piles and form a raised podium, on which the new ICF construction house sits.

6. Newbury Parkway, Newbury Concrete blocks

The client was originally looking to use three different block types to achieve Newbury Parkway's build requirements. We were able to supply 140mm Masterlite Pro Paint Grade 7.3N concrete blocks which covered all the characteristics they were looking for in one single block, thereby lowering the cost of the project.

7. Grand Union Canal, Southall Landscaping

This stylish urban village, located on a 54-acre site in Southall, West London, needed a high specification, durable hard landscaping solution that embraced the sophisticated styling of the marina and surrounding shops and restaurants.

A combination of aesthetic block and flag paving was supplied for use on the development's roads, parking areas, driveways, gardens and a network of walkways surrounding the marina.

These products had a good environmental rating and were both aesthetically pleasing and durable.



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AGGREGATE INDUSTRIES THE COMPLETE SERVICE

The Aggregate Industries group offers an extensive range of products and services to the construction industry.



AGGREGATES

We supply crushed rock, sand and gravel, stone and fill materials for construction. These can be delivered by road, rail or marine transport. We also produce silica and specialist sands and offer lightweight aggregates from our Lytag business.

Tel: 01455 285200

Email: aggregates@aggregate.com



CHARCON HARD LANDSCAPING

Flag paving, block paving and kerb products are available in both concrete and natural stone. Surface water drainage products are also part of a wide ranging portfolio.

Tel: 01335 372222

Email: landscaping@aggregate.com



ASPHALT

We are a leading supplier of a full range of coated materials with over 50 locations in the UK, serving major conurbations, including sites for collect business.

Tel: 01455 288222

Email: asphalt@aggregate.com



CONCRETE

We offer a complete range of ready-mixed concretes and screeds, operating from over 70 sites. We also have an operation that caters for smaller collect loads

Tel: 01283 714187

Email: concrete@aggregate.com



BRADSTONE GARDEN LANDSCAPING

Bradstone is one of the UK's leading ranges of natural and reconstituted stone paving, walling, edging and coping, block paving and decorative aggregates.

Tel: 01335 372222

Email: bradstone.garden@aggregate.com



CONSTRUCTION SOLUTIONS

Our Charcon Construction Solutions business offers design, manufacture and installation of integrated offsite solutions including modular roofing, hydro, flooring, ground and structural frame solutions.

Tel: 01670 531160

Email: sales@charconcs.com



BUILDING PRODUCTS

We have an extensive range of masonry, walling and roofing as well as concrete building blocks. From internal, structural concrete products to the finest facing walling blocks, our businesses meet the diverse construction, specification and aesthetic requirements that exist across the UK.

Tel: 01285 646900

Email: building.products@aggregate.com



CONTRACTING

We strengthen our construction materials portfolio through our involvement in infrastructure, surfacing and civil contracting works.

Tel: 01530 510066

Email: contracting@aggregate.com



CEMENTITIOUS MATERIALS

Lafarge Cement offers a wide variety of bulk and packed cementitious materials, produced at our cement plants in Cauldon, Staffordshire and Cookstown, County Tyrone.

Tel: 01455 288 392

Email: cementitious@aggregate.com



OVERSEAS

Aggregate Industries Overseas supplies high quality aggregates to Europe from bases in the UK, Poland, Germany, Norway and Latvia.

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