

Supplied at speed
Designed for simplicity

HADLEY Ultra**MEZZ**®
Mezzanine Floor Joist System

Hadley Group

An international business



Community

Environmentally, we are committed to ensuring the most efficient use of our resources, where possible manufacturing with 100% recyclable materials.

Economically, we grow the business in a responsible manner for the benefit of our employees as well as operating with fairness and integrity with our customers.

Socially, we are proactive making a difference within our communities. We raise the aspirations of future generations by providing new apprenticeship and other opportunities.



Reach

Hadley Group is the UK's largest manufacturer of cold rolled metal profiles with 50 dedicated rolling mills and a global reach spanning five continents. Today, with seven manufacturing centres serving contracts and licence agreements on five continents and in 36 countries, Hadley Group is a truly international business in every way with an unerring focus on practical ingenuity.



Originality

Hadley Group Technology is the largest in-house cold roll forming technology academy in the UK. Hadley Group is protected from imitation via intellectual property rights to 145 of its products and processes assuring the integrity of our portfolio. Amongst these is **UltraSTEEL®** which has a global patent, with 1 billion metres produced annually both in house and under licence.

HADLEY UltraMEZZ® is another example of the continuous improvement philosophy of Hadley Group, refining market leading products in order that they become ever more efficient for the benefit of our customers.



Experience

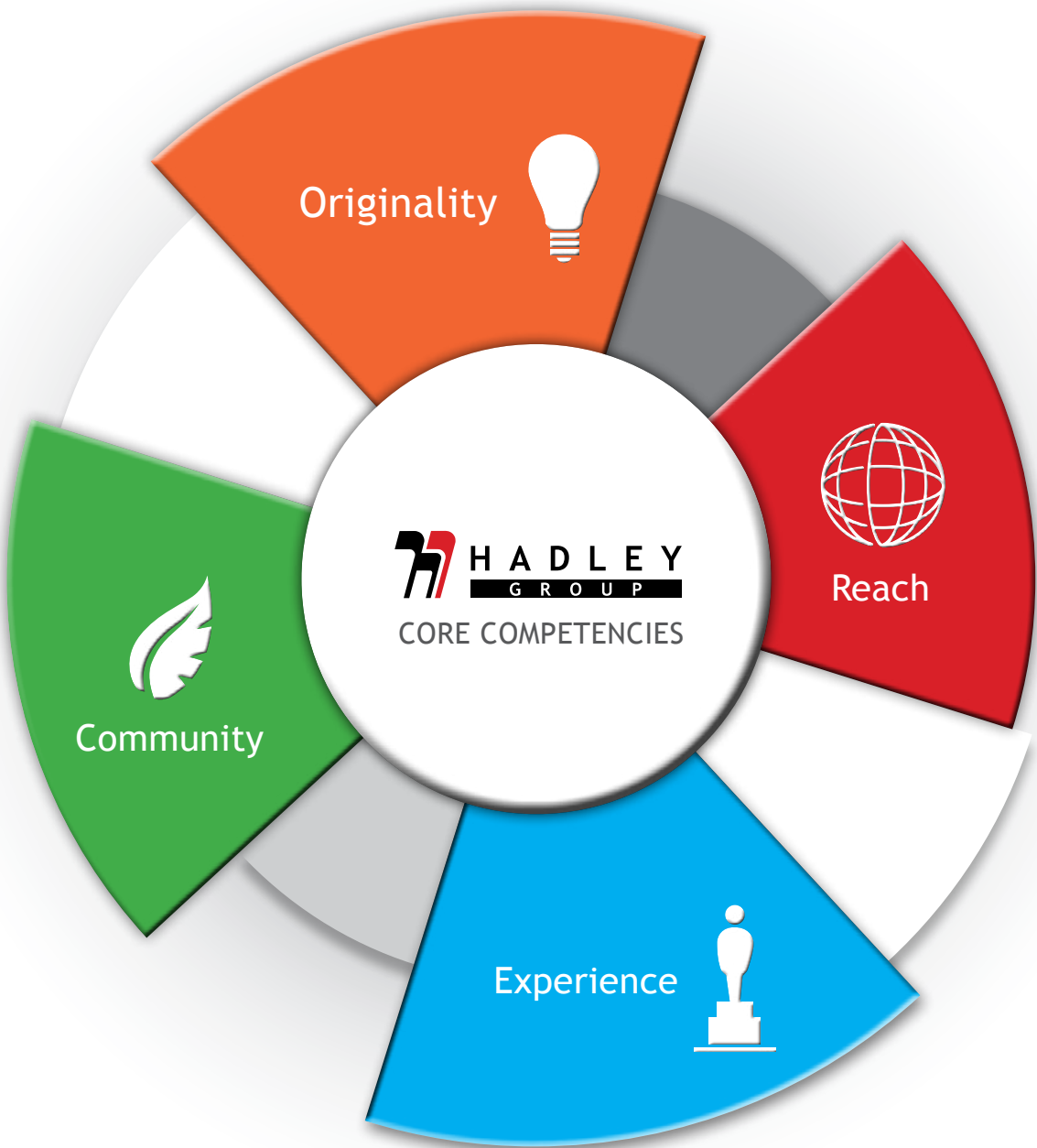
Our industrial heritage spans 50 years. Our loyal and skilled workforce understands how to forge long term, positive relationships with customers who trust Hadley Group to advise, innovate, manufacture and deliver.



4 UK manufacturing bases



50 rolling mills



A new level in mezzanine flooring technology

Performance by evolution

History of **HADLEY UltraBEAM™**

Hadley Group first released **HADLEY UltraBEAM™** in 1995. It rapidly became industry standard as a value engineered product for mezzanine flooring. However, Hadley Group innovation never stands still and we constantly challenge ourselves to create ever better products.

Our engineers have refined **HADLEY UltraBEAM™2** to be lighter than the original, yet just as strong. This drives efficiency of design and makes the **HADLEY UltraMEZZ®** flooring system the most cost effective available in the market.

- Stronger
- Lighter
- More cost-effective

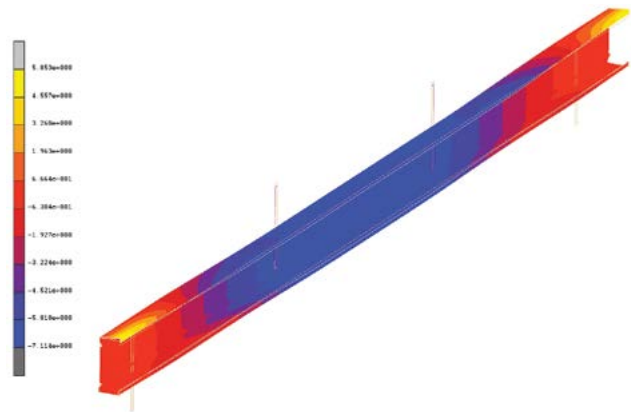
HADLEY UltraBEAM™2

CE

Finite Element Analysis

HADLEY UltraBEAM™2 has also developed using Hadley Group's finite element analysis which utilises computer simulation to divide complex problems into small elements. For **HADLEY UltraBEAM™2** it provided detailed insights into the product's critical design parameters.

We conducted sophisticated structural stress analysis, both internal to the beam and under load.



The product of rigorous in-house testing

Innovation is only possible thanks to Hadley Group's in-house technology centre where we prototype and rigorously test every facet of a product's performance. Our innate expertise in the properties and potential of cold rolled metal sections and profiles is tested on our rigs to ensure the theory is met by the practice. Only then can we guarantee the structural properties of every section and profile we manufacture.



Approved by SCI

HADLEY UltraBEAM™2 has been awarded SCI Assessed Status by the Steel Construction Institute, an expert body in the design and structural application of cold roll formed sections. Sections are in accordance with BS EN 1993-1-3. Hadley Group is also accredited to BS EN ISO 9001:2008 Quality Management System for design and production.

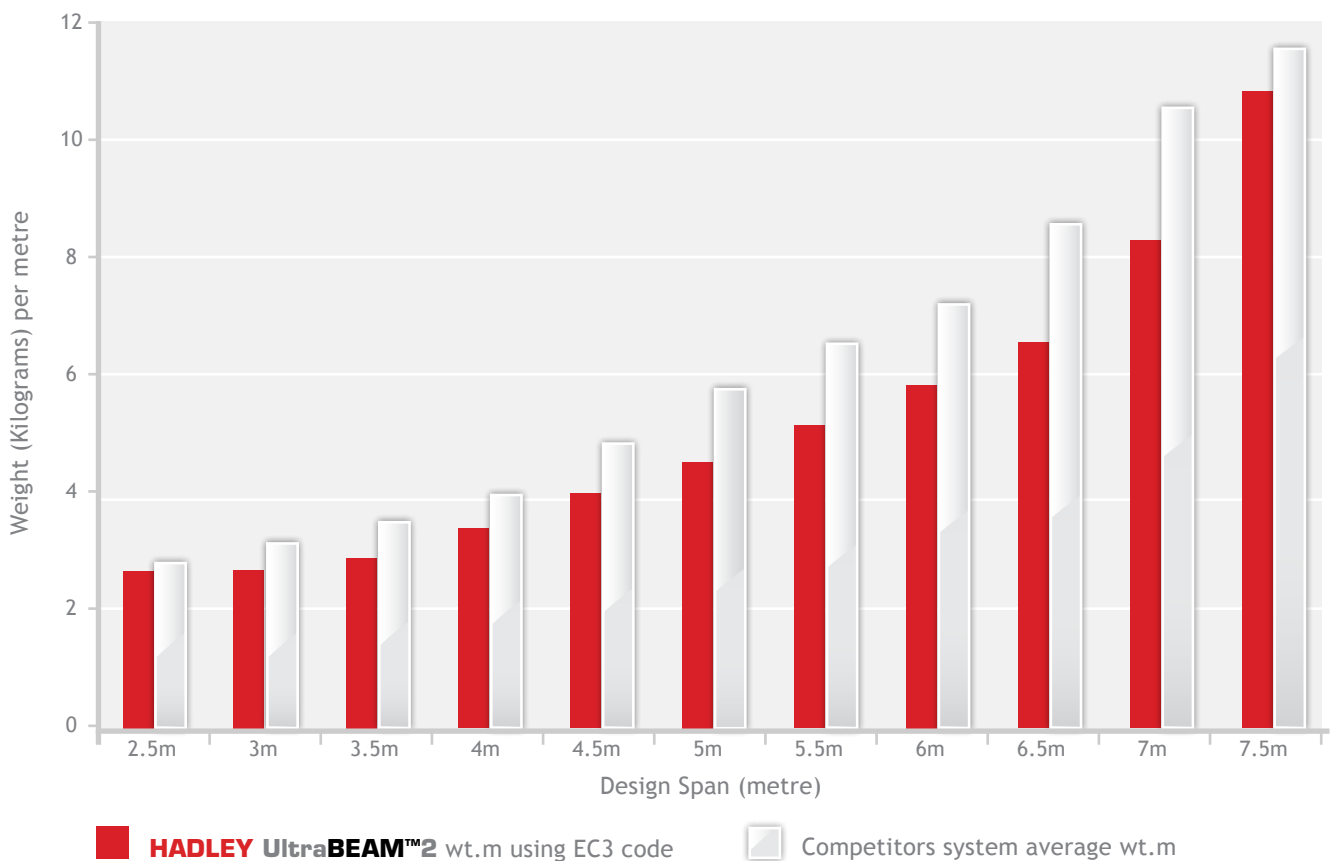




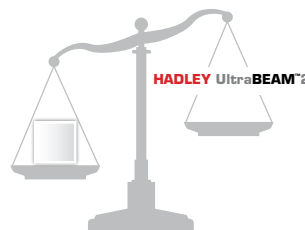
Stronger and lighter is better

Proven to be more cost effective than the rest

Weight comparison test



Comparison tests demonstrated that mezzanine floor spans between 2.5m and 7.5m metres using **HADLEY UltraBEAM™2** are lighter per metre than the average weight of all competitors. This ensures greater efficiencies and therefore cost savings.



up to **20%** lighter than its competitors



EC3 compliant

HADLEY UltraMEZZ® system complies with the latest design codes including Eurocode 3.

High Strength

All beams are produced from pre-galvanised structural grade, high strength 450 yield steel.

CE Marking

HADLEY UltraBEAM™2 profiles have the CE Mark to comply with Regulation 305/2011/EU of the European Parliament and of the Council of 9th March 2011 - the Construction Products Regulation (CPR). Attested by EC Certificate of Factory Production Control (FPC) 2273-CPR-003 for load bearing structural steel components up to EXC4 according to BS EN 1090-2

Tested and assessed

All sections are considered in accordance with BS EN 1993-1-3. Sections have been tested and assessed by Hadley Group in association with the Steel Construction Institute and Wolverhampton University.





An easy, fail-safe project design process



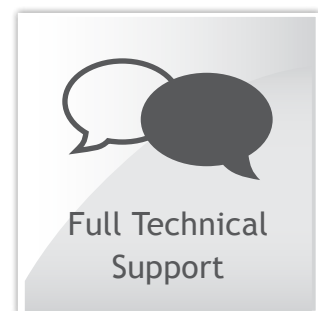
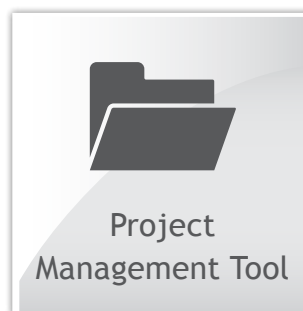
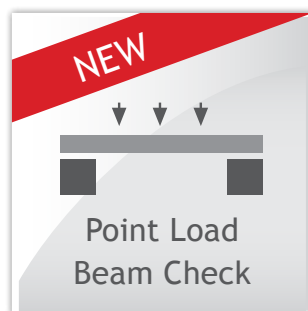
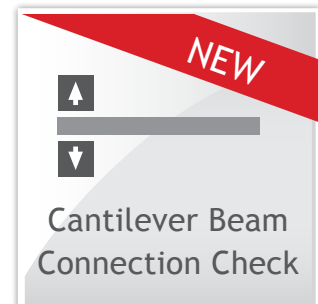
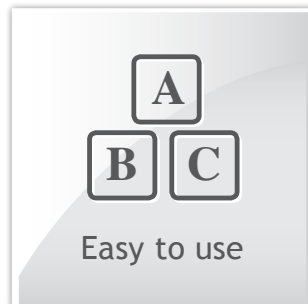
New **HADLEY DesignSuite™** software

Using **HADLEY DesignSuite™** you can rapidly ensure the accuracy and cost-effectiveness of any mezzanine floor project. No expert technical skills are required by the user - **HADLEY DesignSuite™** leads you, step-by-step through the design process ensuring you don't forget critical elements or make costly mistakes. **HADLEY DesignSuite™** eliminates waste regardless of the complexity of the system so you can be sure the solution created is the best available.



FREE **HADLEY DesignSuite™** software

Downloading our **HADLEY DesignSuite™** software and bringing your mezzanine floor project to life is quick and simple. Step-by-step **HADLEY DesignSuite™** guides you through the design process and structural calculations to create system specification manufacturing, ensuring everything you are going to need is included.



FREE Hadley Technical Design Support.

A rapid response even for the most complex floors

We provide this free service to ensure that you can respond quickly to your customers, design the most efficient floors and overcome difficult technical problems. Our experts in mezzanine floor design are always on-hand to provide a rapid turnaround of your designs and provide technical support for any questions you may have.



Download your **FREE** copy

<http://www.hadleygroup.com/hadleydesignsuite>

In a market where time is critical



Quick and flexible turnaround

Send your order information via our easy to use order forms or electronically.

Our systems are fully integrated with today's 3D modelling environment for quick and error free manufacturing.





In-house logistics and transportation - for control and flexible service

Our own dedicated transport ensures we have complete, minute-by-minute control of deliveries. Nationwide and internationally, Hadley Group can therefore move your order from manufacture to site in the shortest possible timescale.

With over

80,000

tonnes delivered every year

The Hadley Group is
expert in delivering to site,
on time, all the time.



Call us today on 0121 555 1300
email ask.bpd@hadleygroup.com
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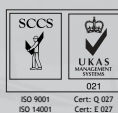
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HADLEY UltraMEZZ® is a registered trademark of Hadley Industries Holdings Ltd.

In accordance with the manufacturer's policy of continuous improvement, we reserve the right to alter specifications without prior notice. Whilst every precaution has been taken to ensure the accuracy of data, information or recommendations herein no liability of such data, information or recommendations whether given negligently or otherwise can be accepted by the company.