



DRYWALL STEEL SECTIONS



DrySpec®
QUALITY ASSURED SYSTEMS



Overview

Drywall Steel Sections Limited has one of the most comprehensive range of cold rolled products and systems for partitions, ceilings, wall linings and light gauge structural steel framing. All products and systems are manufactured to high quality European standards and are continuously monitored by our ISO 9001 Quality Management Certification. We remain highly cost competitive, whilst maintaining on-going research, development and testing.

PRODUCTS & SERVICES

Our DrySpec branded products are CE marked and comply with all the relevant industrial standards. The in-house Technical Department offers a full design and manufacture service, including support throughout the design to handover process for your projects. We also offer bespoke steel sections and solutions to our customer's own specifications.

OUR VISION

Drywall Steel Sections Limited aims to be one of the leading manufacturers and suppliers of cold rolled steel products and systems for construction through our ongoing innovation and development. We strive to be cost competitive, yet offer valuable support and choice for our customers, both home and abroad. We are committed to continually improving on our quality, as demonstrated by recent capital investment in new state-of-the-art roll forming machinery and technology.



CONTENTS

- 3 Non load bearing partitions
- 4 Metal Furring ceiling components
- 5 Lining systems
- 6 Fire barrier system
- 7 Light gauge steel framing
- 8 Mezzanine flooring & roof purlins
- 8 Bespoke pressed sections
- 9 Design support services
- 10 Quality & compliance



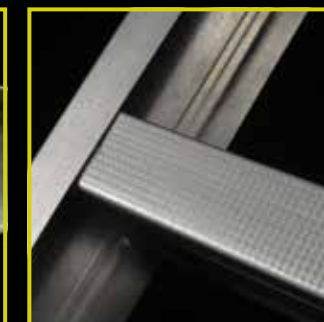
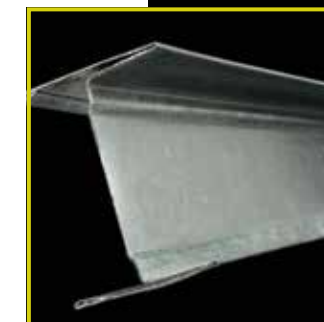
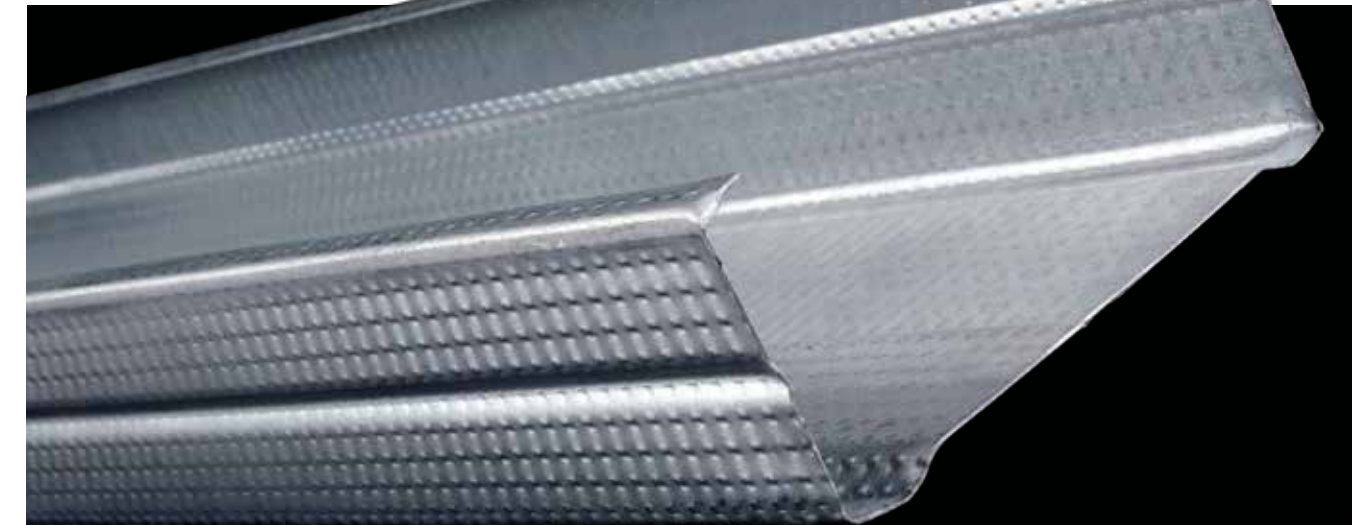
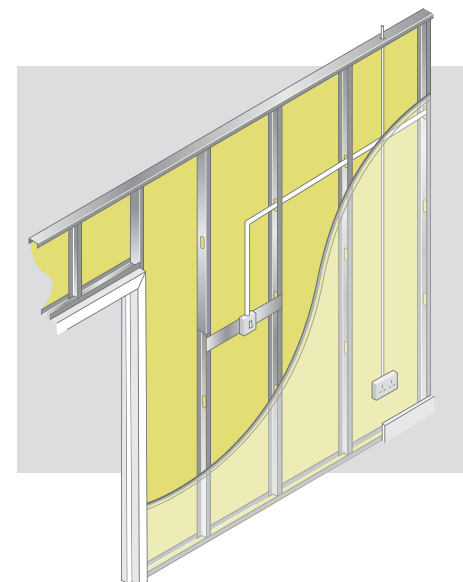
EN1090-2

NON LOAD BEARING PARTITIONS

Stud & Track

All non-load bearing partition studs and tracks are manufactured to BS 7364-1990 from pre-galvanized material to BS EN 10346: 2015 and are knurled to ease the drywall screw penetration. We offer C studs, I studs and DIN studs along with their suitable tracks ranging from standard U Tracks to Extra Deep U Tracks in 0.5mm to 1.2mm gauge steel thicknesses to suit your requirement.

We provide complete tested/assessed systems to suit your project specifications, along with a K10 document for your internal non-load bearing specification.



Key benefits:-

- Easily constructed, easy to handle, safe and clean.
- Using the Drywall system allows easy installation of sound and thermal insulation.
- Full range of stud widths available - 48mm, 50mm, 60mm, 70mm, 92mm and 146mm complete with service holes for cables and pipes.
- Both stud and track can be easily cut to required length using appropriate cutting tools.

Tested and Assessed for: Fire Resistance to BS476-22 & BS EN1364-1 and Acoustics to BS EN ISO 140 & BS EN ISO 717



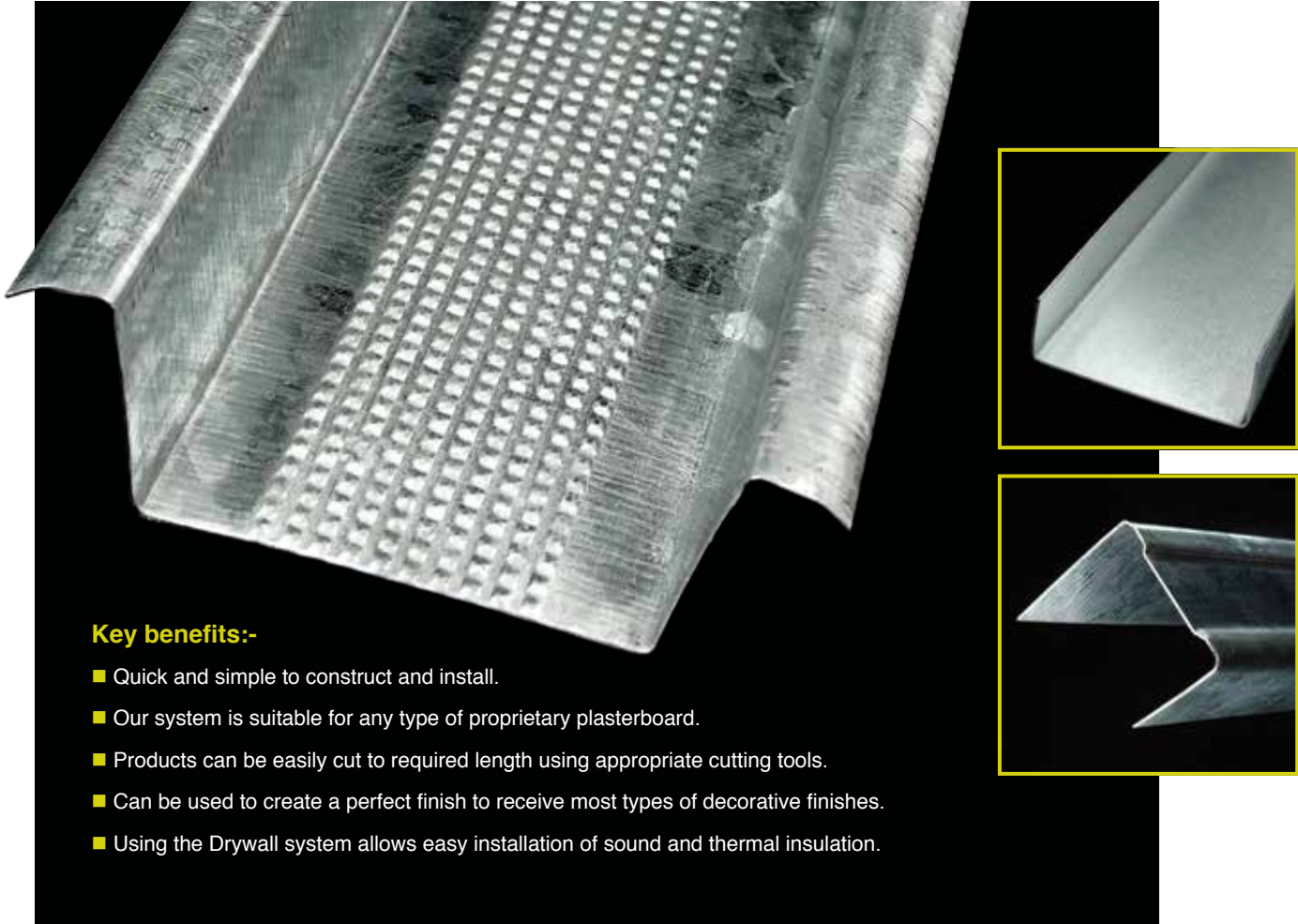
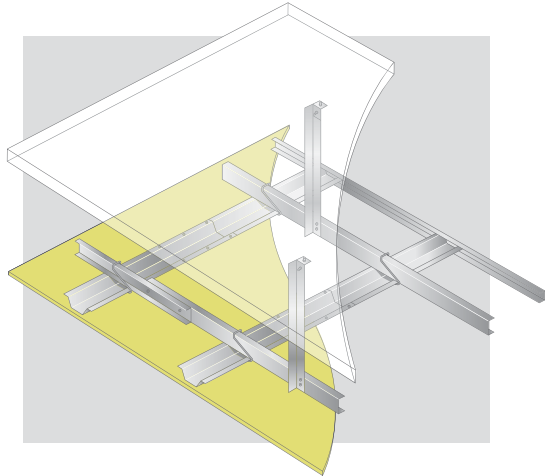
QUALITY ASSURED SYSTEMS

METAL FURRING CEILING COMPONENTS

Our Metal Furring ceiling system has a wide range of applications including both residential and commercial. It is ideally suited to use where building services (such as pipes and electrics) need to be housed. The MF ceiling system can be used to both upgrade and protect existing ceiling structures. Different ceiling heights can be achieved to accommodate the varying ducting and services that are used in the market place today. Our Metal Furring ceiling system is compatible with all proprietary plasterboards.

All Metal Furring ceiling profiles are manufactured to BS 10346-2015 from pre galvanized material to BS EN 14195:2004.

Profiles available include MF5, MF6A, MF7.



Key benefits:-

- Quick and simple to construct and install.
- Our system is suitable for any type of proprietary plasterboard.
- Products can be easily cut to required length using appropriate cutting tools.
- Can be used to create a perfect finish to receive most types of decorative finishes.
- Using the Drywall system allows easy installation of sound and thermal insulation.

Tested and Assessed for Fire Resistance to BS476-23 & BS EN1364-2

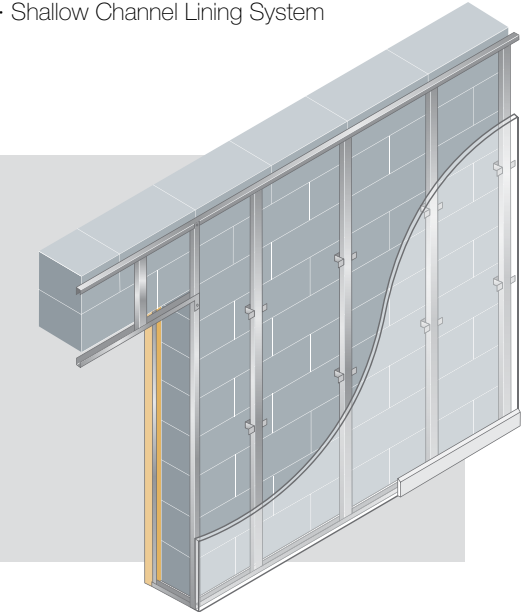
LINING SYSTEMS

Our lightweight liner systems have been designed as an easy-to-use, economical method for lining internal walls and ceilings. With a wide range of applications including residential, commercial and industrial, the system is ideal for drylining and concealing services.

All wall liner profiles are manufactured to BS 7364-1990 from pre galvanized material to BS EN 10346:2015.

We offer the following systems:

- Dryliner Lining System
- Independent Wall Lining System
- Shallow Channel Lining System



Key benefits:-

- A range of cavity depths can be created from 25 - 125mm using a variety of fixing methods.
- Our system is suitable for any type of proprietary plasterboard.
- Background must be treated for damp and be of sufficient density to enable mechanical fixings to be achieved.
- Both channel and track can be easily cut to required length using appropriate cutting tools.
- Using the Drywall system allows easy installation of sound and thermal insulation.

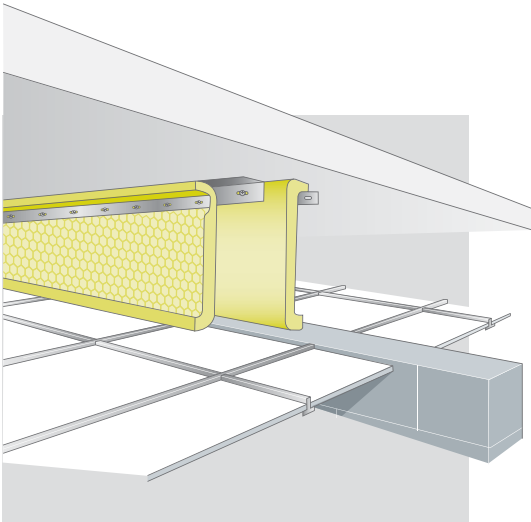


FIRE BARRIER SYSTEM



Fire barrier angle and strap for use between ceilings, floors and roofs.

Our slotted angle and strap can be used to restrict the passage of both flames and smoke between ceilings, floors and roofs when used with a proprietary fire barrier quilt and galvanized wire mesh.



LIGHT GAUGE STEEL FRAMING

Stud & Track LGSF

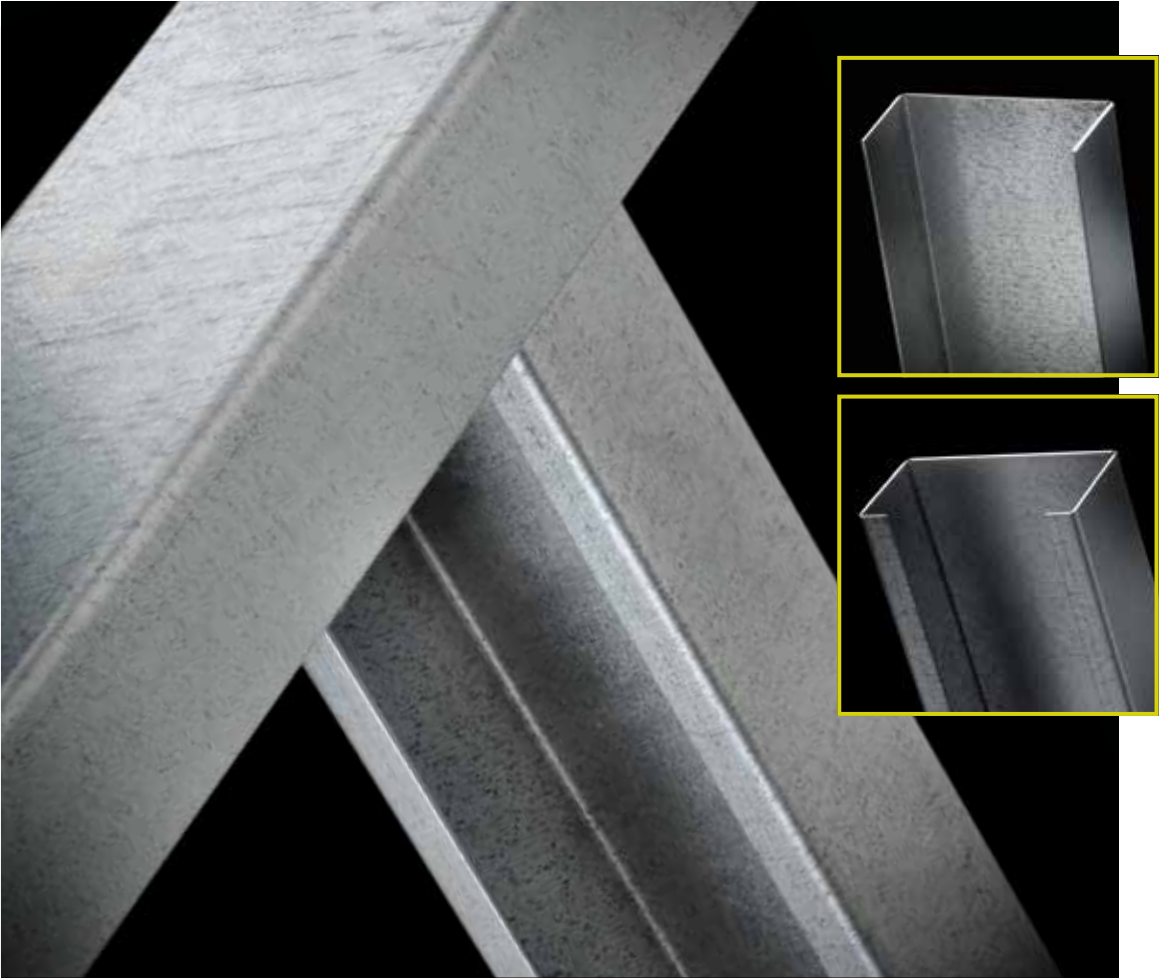
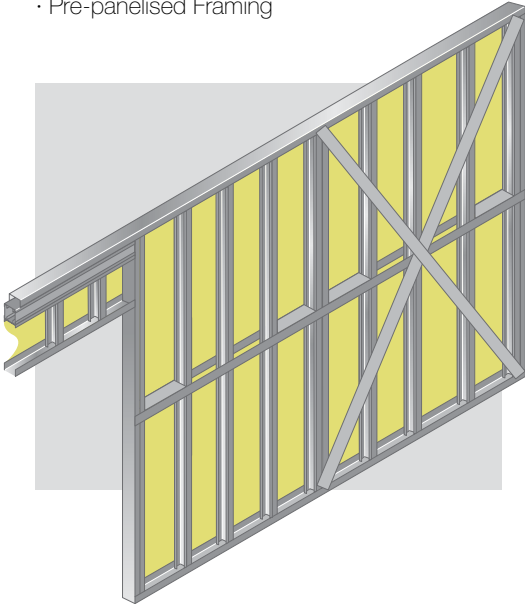
Our light gauge steel framing systems are manufactured from pre-galvanized coils conforming to BS EN 10346:2015, in S450 GD+Z275 material grades.

Steel thicknesses in LGSF products can be manufactured to suit your needs, ranging from 1.2mm to 3.0mm gauge. We also offer a variety of stud widths.

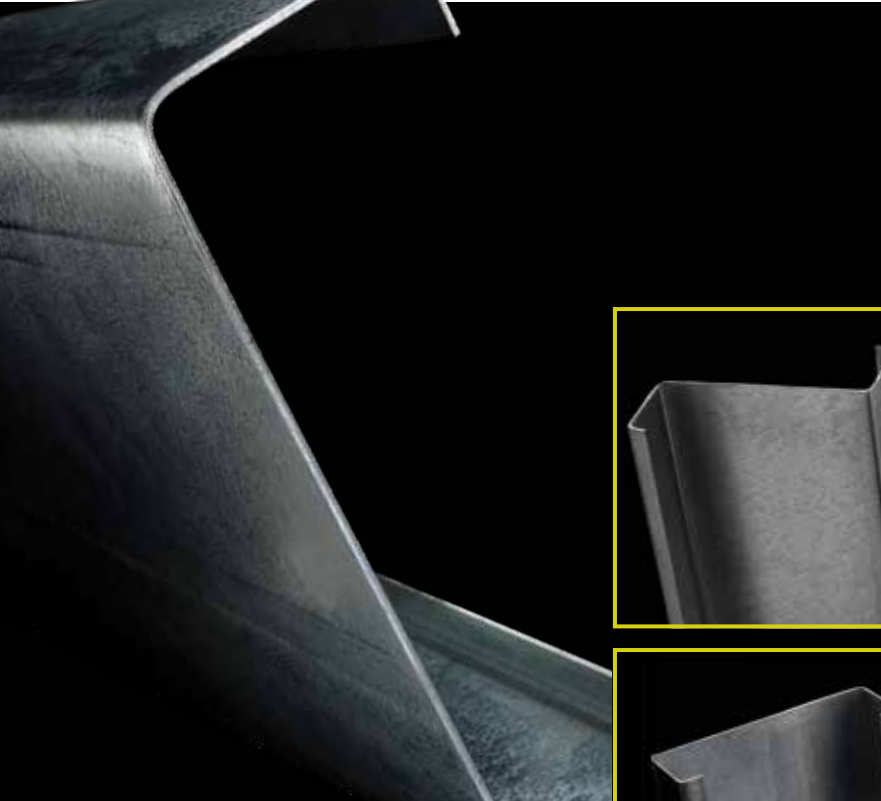
Our products have been assessed, and are CE marked in accordance with BS EN 1090-1:2009 + A1: 2011, and classified Execution Class 2 (EXC2) as defined in EN 1090-2.

We design and manufacture the following light gauge steel framing systems:

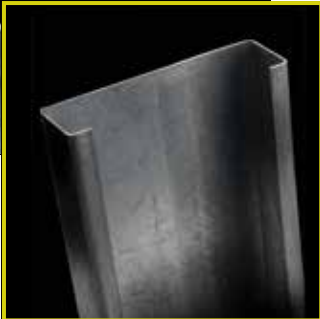
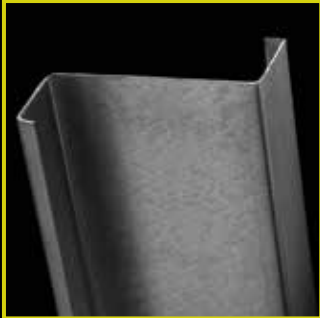
- Infill Solutions
- Fully Load Bearing Solutions
- High Bay Wall
- Continuous Wall
- Pre-panelised Framing



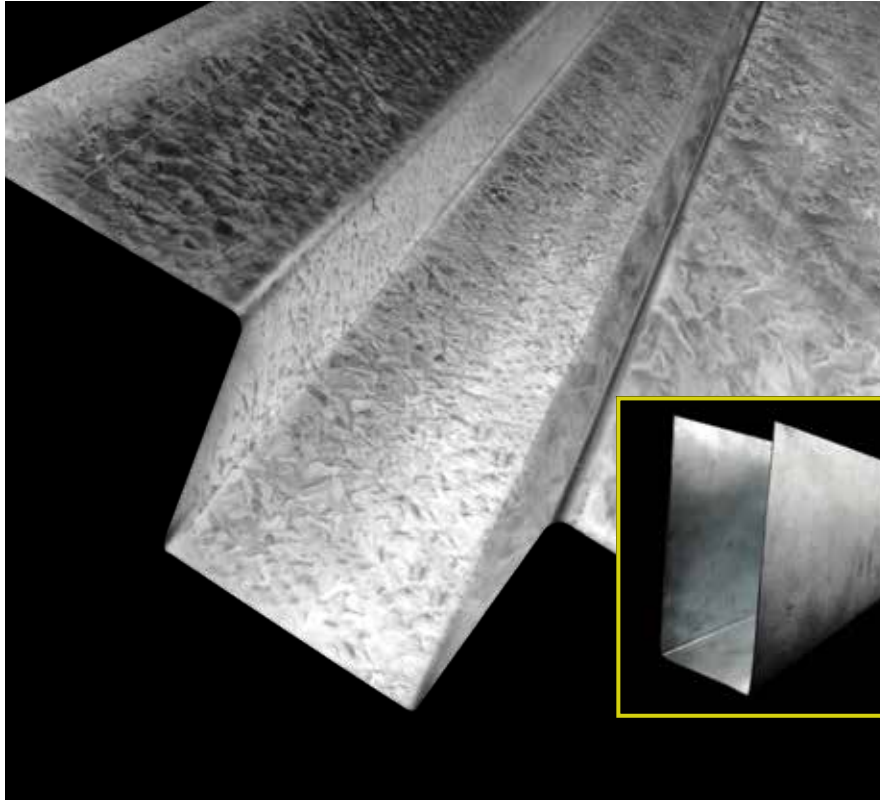
MEZZANINE FLOORING & ROOF PURLINS



Drywall Steel Sections offer a full range of 'Cee', 'Zed' and plain channels with both equal and odd legs for use in a wide variety of applications including, construction, mezzanines, ceilings and modular/offsite buildings.



BESPOKE PRESSED SECTIONS



Drywall Steel Sections has all the necessary resources in plant and machinery to produce a wide variety of pressed sections from our extensive range of tooling. Bespoke sections are available in mild steel, stainless steel and aluminium which can be chamfered and tapered to your specifications.

DESIGN SUPPORT SERVICES

We offer a range of design and support services to help and support your project from tender to handover. Our systems are carefully value engineered to save cost without comprising strength, durability and quality, whilst complying with all relevant industry standards and regulations.

There are two typical design scenarios:

INDICATIVE DESIGN

A full set of SFS calculations required to specify the required sections within the build. Typical elevation drawings, simple plan and sectional information and design details are provided for review by the construction team before issue to the installer.

The installer will use these drawings in conjunction with the architect's elevations and plans to set out the position of the SFS and identify build ups to structural openings etc.

FULL DESIGN

A full set of calculations, sections and details are provided along with elevations and plans that show every SFS element within the building.

Coordinated with the project team (architects, structural engineers, main contractors, other trades) drawings are provided for approval, amended and then issued as a construction pack to the installer.

In order to provide the required drawings a full set of architects sections, elevations, plans and details will be required. The design process will take between 4 - 6 weeks to achieve construction status drawings in a phased approach dependant on project size.



Light Gauge Steel Frame (SFS)

- Indicative Design
- Detailed Design
- 3D CAD Model (BIM)

Drywall Systems

- Internal K10 Systems specification
- K10 Project Packs

QUALITY & COMPLIANCE

Drywall Steel Sections have a range of tested systems using our metal compowents that are carried out at various UKAS accredited test centres in accordance with relevant standards.

Approved on behalf of BRE Testing by

Name: Richard A Jones
Position: Associate Director
Date: 14th April 2008
Signature: *[Signature]*

Approved on behalf of BRE Testing by

Name: Richard A Jones
Position: Associate Director
Date: 14th April 2008
Signature: *[Signature]*

Fire resistance test in accordance with BS. 476 : Part 22 : 1987 on a Drywall Steel Sections Ltd. partition.

Prepared for:
Drywall Steel Sections Ltd.

This test report is additional to that issued as 229280, dated 29th November 2006. The original test report remains valid and is not replaced by this additional report.

14th April 2008
Additional test report number 244182

UKAS TESTING
0578

Page 1 of 23

SUM

Drywall Steel Sections Ltd. drywall partition 3m x 2m x 2m in accordance with BS. 476 : Part 22 : 1987 (Method 1). The partition was formed from one layer of 15mm thick steel stud frame. There were no horizontal studs.

The partition achieved the following fire resistance:

Integrity:	120 minute
Insulation:	72 minute

The product has not been retested and technical reviews of the original test report have been carried out.

The original and the new name of the product which are the subject of this report, is:

BRE Testing
Garston
WD25 9XX
T + 44 (0) 1923 664100
F + 44 (0) 1923 664994
E enquiries@bre-certification.co.uk
www.bre.co.uk

BRE Testing is not UKAS accredited to make opinions and interpretation. Any opinions and interpretations included as part of this report are clearly marked as such.

This report may only be distributed in its entirety and in accordance with the terms and conditions of the contract. Test results relate only to the items tested. We have no responsibility for the design, materials, workmanship or performance of the product or items tested. This report does not constitute an approval, certification or endorsement of the product tested.

This report is made on behalf of BRE Testing. By receiving the report and action on it, the client accepts that no individual is personally liable in contract, tort or breach of statutory duty (including negligence). No third party has any right to rely on this report.

Test report number 244182
Commercial in confidence

© BRE Certification Ltd 2006
Page 4 of 23





41-44 King Street
Old Hill
Cradley Heath
West Midlands
B64 6JH

Tel: +44 (0) 1384 412 448
Email: enquiries@drywallsteelsections.co.uk

www.drywallsteelsections.co.uk



Our products are marketed under DrySpec® brand through our Sales and Technical Department that are CE marked to comply with all the relevant industrial standards. We offer an inclusive design and manufacture service through our Technical Support team, further extending our support from design to handover for your construction projects. We also offer bespoke steel sections and solutions to customer's own specifications.

Drywall Steel Sections Limited aim to be one of the leading innovative manufacturer and supplier of cold rolled steel products and systems for dry construction, yet cost competitive to give choice and added value to its customers, both home and abroad. Our commitment to quality further underpinned by recent capital investment in up to date state-of-the-art roll forming technology.

