

ComFlor® composite steel floor decking range at a glance

Building Systems UK, a Tata Steel Enterprise, has been a leading manufacturer and supplier of construction products in the UK for over 70 years. ComFlor® is our high performance profiled, metallic coated, steel deck for use in composite flooring across a range of building types from multi-storey commercial offices to warehouse mezzanines, schools and car parks.

Building Systems UK have a complete range of construction products and services to support your sustainable construction needs - backed by multi decade guarantees for sustainable, durable and guaranteed performance. Our extensive [technical support is available](#) to assist on design calculations, acoustics, fire design and vibration. Our [ComFlor® software](#) is also available to help when considering the best product option for your project.

Key benefits of the ComFlor® composite steel floor decking range:



Fully
accredited



Longer
spans



Light
weight



Quick
installation



Fire
resistant



Reduced
CO₂



Full
traceability



Corrosion
resistant

Our ComFlor® range

ComFlor® 46



- 900mm cover width
 - 46mm depth
 - 225mm profile pitch
 - Max Span:
Single 2800mm / Double 3270mm
- [Learn more](#)

ComFlor® 51+



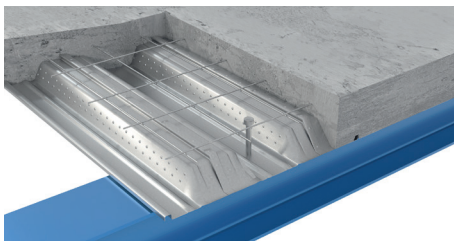
- 600mm cover width
 - 51mm depth
 - 150mm profile pitch
 - Max Span:
Single 3360mm / Double 3880mm
- [Learn more](#)

ComFlor® 60



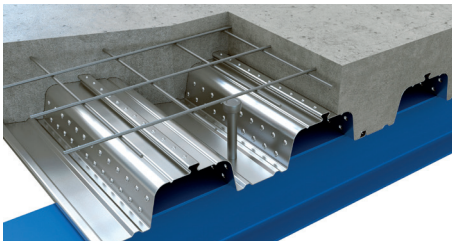
- 600mm cover width
 - 60mm depth
 - 300mm profile pitch
 - Max Span:
Single 3940mm / Double 4700mm
- [Learn more](#)

ComFlor® 60 Closed Ends



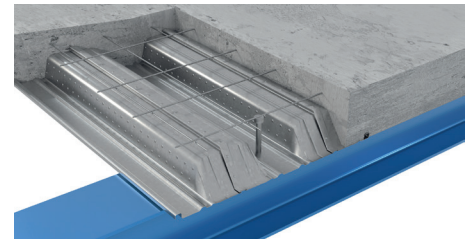
- 600mm cover width
 - 60mm depth
 - 300mm profile pitch
 - Max Span:
Single 3940mm / Double 4700mm
- [Learn more](#)

ComFlor® 80



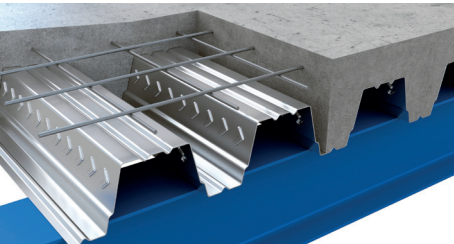
- 600mm cover width
 - 80mm depth
 - 300mm profile pitch
 - Max Span:
Single 4340mm / Double 4820mm
- [Learn more](#)

ComFlor® 80 Closed Ends



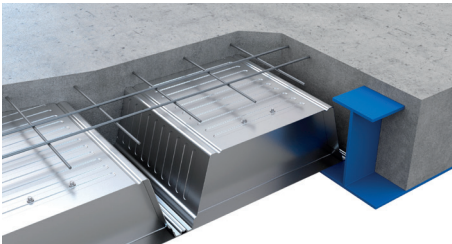
- 600mm cover width
 - 80mm depth
 - 300mm profile pitch
 - Max Span:
Single 4340mm / Double 4970mm
- [Learn more](#)

ComFlor® 100



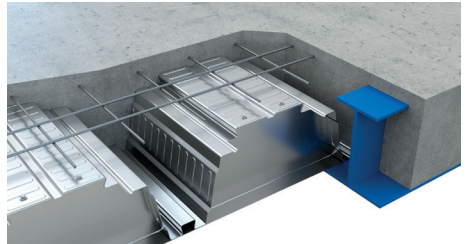
- 700mm cover width
 - 100mm depth
 - 233mm profile pitch
 - Max Span:
Single 4030mm / Double 4590mm
- [Learn more](#)

ComFlor® 210



- 600mm cover width
 - 210mm depth
 - 600mm profile pitch
 - Max Span:
Single 5600mm
- [Learn more](#)

ComFlor® 225



- 600mm cover width
 - 225mm depth
 - 600mm profile pitch
 - Max Span:
Single 6000mm
- [Learn more](#)

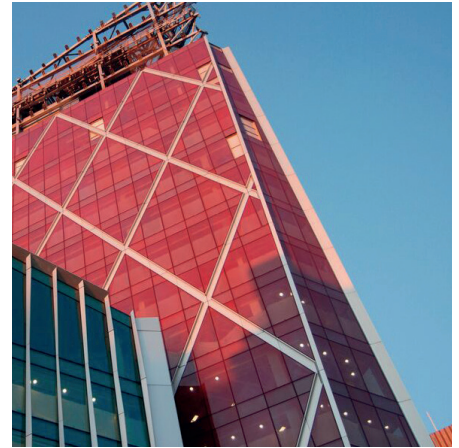
Table 1 - Product Options

Profile	Gauges available (mm)					Steel grade N/mm ²	Finishes		
	0.7	0.9	1.0	1.2	1.25		MZ140	MZ310	FD+
ComFlor® 46	-	✓	-	✓	-	280	✓	✓	-
ComFlor® 51+	-	✓	✓	✓	-	350	✓	✓	✓
ComFlor® 60	-	✓	✓	✓	-	350	✓	✓	✓
ComFlor® 60 Closed Ends	-	✓	✓	✓	-	350	✓	✓	-
ComFlor® 80	-	✓	✓	✓	-	350	✓	✓	✓
ComFlor® 80 Closed Ends	-	✓	✓	✓	-	350	✓	✓	-
ComFlor® 100	-	✓	-	✓	-	280	✓	✓	-
ComFlor® 210	-	-	✓	-	✓	350	✓	✓	-
ComFlor® 225	-	-	-	-	✓	350	✓	✓	-

Advanced solutions for ultimate corrosion protection

Our ComFlor® range includes innovative metallic coatings that enhance durability and corrosion resistance in application. Our MagiZinc® offering is available in 140g/m² and 340g/m² (MZ140 & MZ310) with Galvalloy® metallic coatings offered with our painted finish. Both of these metallic coatings offer a combination of increased barrier and sacrificial protection when compared with conventional Hot Dip Galv (HDG) coatings and provides unrivalled corrosion protection.

To further enhance corrosion protection we offer our Colorcoat® FD+ with Colorcoat Prisma® to deliver the ultimate protection of the ComFlor® product. Our FD+ offering includes a paint adhesion and colour fade project specific guarantee of up to 25 years for the ultimate peace of mind. These coatings are ideal when the exposed ComFlor® soffit is used in car parks, swimming pools, changing rooms, offices or schools. For more in depth information on our metallic coating and Colorcoat FD+ offerings please [contact the Building Systems UK technical team](#).



Supporting you from start to finish...



Professional support and design

Our [dedicated technical team](#) are available to provide support and advice on the best product for your project, and are on hand to help with:

- Design calculations
- Software tools
- Acoustic design
- Vibration
- Fire design
- Slab penetrations and installation details
- EPD – Environmental Product Declarations
- BREEAM credit assessment
- Flooring build-up carbon calculator
- In-house CPD Seminars



Sustainable performance

Building Systems UK's vision is to 'enable the creation of sustainable spaces where we live work and play'. As a manufacturer we have a duty to operate responsibly and in a transparent way. Building Systems UK are one of the most transparent and reported construction product manufacturers in the UK, with a unique offering of project specific and bespoke Environmental Product Declarations.

This is enabled by our unique operatorship of an Environmental Product Declaration Programme.

Building Systems UK operations, supply chain and products are certified under the BRE Responsible Sourcing Framework Specification BES 6001.

We are able to help our customers to operate more sustainably by providing guidance on the specification of our products and the impact on obtaining credits under building certification schemes such as BREEAM.

Digital Tools

Our comprehensive [ComFlor® 9 software](#) analyses each of our ComFlor® composite floor decks in construction stage, service stage and for fire resistance, under a wide range of loading configurations, helping our customers with their floor deck design. For our freely available [ComFlor® 9 software](#) [Register here](#).

We offer a carbon calculation service which examines the whole 'structural floor system' to provide a carbon estimate based on your specification. [Contact our technical team](#).

Our [BIM DNA Profiler](#) has been designed to minimise data overload and will allow users, at whatever stage they are in the construction process, to retrieve the exact level of BIM data they require – and in all required file formats (eg. AutoDesk).

Digital tools



www.buildingsystemsuk.com

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