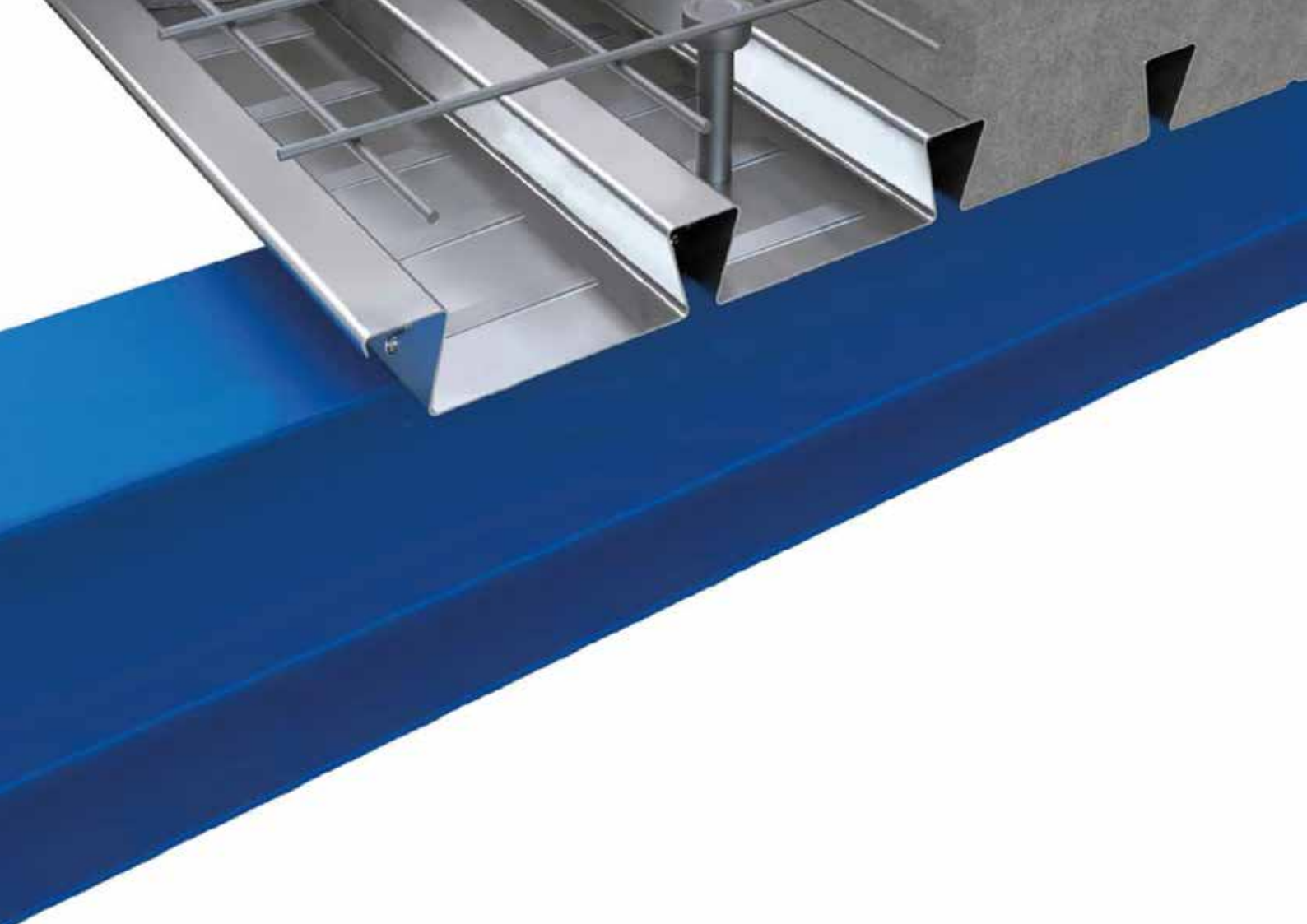


VIRIFORM[®]
WHERE STRENGTH AND PRECISION UNITE



The ComFlor[®] range at a glance



Viriform ComFlor®





Contents

About Viriform	4
Irish made profiles ComFlor® 51 and CF60	6
ComFlor® CF46, CF80 and CF100	7
ComFlor® CF210 and CF225	8
Technical Support	10
Sustainability and Standards	11





About Viriform

Viriform, formerly known as Tegral Building Products, is one of Ireland's leading suppliers of structural and industrial metal products for composite flooring, roof decking and roofing and cladding. Working with engineers and fabricators across Ireland for decades, we aim to create value by offering a sustainable and value-added steel product range supported by unrivalled customer service.

Innovation and continuous improvement are at the heart of what we do, and by working in partnership with you, we strive to provide you with the best solutions to meet your needs and help your business to perform. Offering a wide range of products, systems and services specifically developed for the construction market.

We are the only manufacturer of Structural Floor Deck in Ireland. Manufactured in Athy, Co. Kildare, Viriform ComFlor® 51 and Viriform ComFlor® 60 are readily available to our customers across the island. All orders are Made to Measure and are supplied bundled and labelled to our customers' requirements. Combined with the complete ComFlor® range sourced from Tata Profiles we offer the most extensive, cost effective and efficient range of composite floor deck profiles in Europe. Our total range of seven unique profiles enable effective and efficient design, each intended specifically for a particular application area providing optimum composite floor deck performance.





Why Choose Viriform ComFlor®:

Composite Floor Deck Range

- Fast build time provided by quick installation and prop free concrete floors.
- High levels of fire resistance from all ComFlor® slabs with zero soffit protection.
- Colorcoat FD® pre-finished steel soffits offer significant extra protection and corrosion resistance.
- Full traceability of all components.
- Certified 'Very Good' to BREs responsible sourcing standard BES 6001 to maximised points in BREEAM.
- Covers unpropped construction from 2.5m to 4.5m

Deep Deck Range

- Long spanning capability between beams.
- Used with integrated beams (Slimdek®, Slimflor® and others) where the deck lands on an extended lower flange, giving reduced overall floor height.
- Services incorporated into profile zone, providing cost-effective, minimal depth floor construction.
- Low vibration design to meet the most stringent vibration requirements.
- Excellent fire ratings.
- Typical unpropped spans up to 6m, and propped spans to 9m.

ComFlor® is specifically designed for rapid installation of flooring and to facilitate lower mass buildings with long clear span composite concrete floors. Large areas of ComFlor® can be easily

craned into position and in excess of 400m² laid by one team per day. With minimal mesh or fibre reinforcement and pumped concrete, the completed floor can quickly follow.



The ComFlor® range

Irish made profiles CF51 and CF60

- ComFlor® composite floor deck acts as a working platform.
- Act as a permanent formwork for the concrete slab.
- Provides fully integrated composite action between steel deck and slab.
- Allows composite action between the steel beam and slab via shear studs.

ComFlor® 51

The original Irish re-entrant profile. Viriform's most popular floor deck.

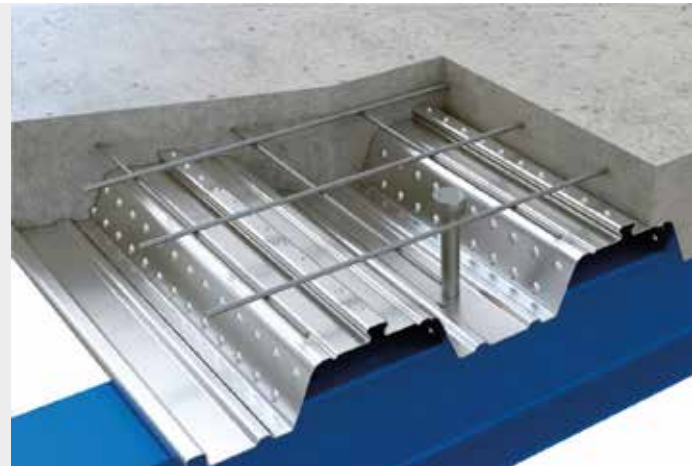
- Virtually flat soffit for a clean aesthetic appeal.
- Composite performance – floor slab. Classic re-entrant profile provides excellent composite slab strength.
- Composite performance – beam. Due to effective shear stud performance.
- Fire and acoustic performance.
- Easy attachment for services.
- Eurocode compliant.



ComFlor® 60

Ireland's most successful new generation combined trapezoidal and re-entrant 60mm profile.

- Versatile. Combined round shouldered profile gives excellent span capability with straightforward service attachment.
- Low concrete and steel usage.
- Central stud placement.
- Crushed ends.
- Available in Colorcoat FD® pre-finished steel to the soffit.
- 600mm cover, as recommended by Health and Safety guidelines.
- Eurocode compliant.





The ComFlor® range

CF46, CF80 and CF100

ComFlor® 46

Classic composite flooring profile, easily transported, simple and efficient.

- Nestable. The simple trapezoidal shape neatly fits one profile into another, allowing more square metres per bundle.
- Low transport cost. Results in reduced environmental impact and less crane time.
- Fast laying.
- Economic.
- Eurocode compliant.



ComFlor® 80

Combined trapezoidal and re-entrant 80mm composite profile with long span capability.

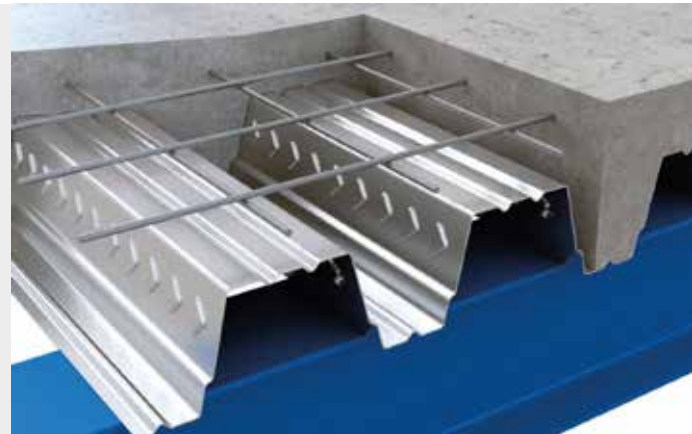
- Versatile. Combined profile allows easy service attachment, with trapezoidal spanning ability.
- Reduces the number of secondary beams.
- Central stud placement.
- Available in Colorcoat FD® pre-finished steel to the soffit.
- 600mm cover, as recommended by Health and Safety guidelines.
- Eurocode compliant.



ComFlor® 100

Strong long span composite profile for non-composite beams.

- Long span strength reduces or eliminates temporary propping.
- Fast laying.
- Suitable for use with concrete beams or non-composite steel beams.
- Nestable profile gives low handling costs.



The ComFlor® Deep Deck range

CF210 and CF225

ComFlor® 210

The original deep ultra-long span composite profile introduced for the first Slimflor® systems.

- Cross stiffener technology and deep profile shape provides a very efficient metal deck and composite slab.
- Especially suited to bear on the extended lower flange of a steel beam, can also be used on the top flange.
- Nestable profile gives low transport and handling costs.
- Eurocode compliant.
- End scallops required.



CF210 Steel End Diaphragm (end scallops).

Steel End Diaphragms are essential for the CF210 deck range to ensure the structural integrity of the deck. They are supplied in 1.8 metre lengths which cover three deep deck profiles.



CF210 Steel End Diaphragms (end scallops)



The ComFlor® Deep Deck range

CF210 and CF225

ComFlor® 225

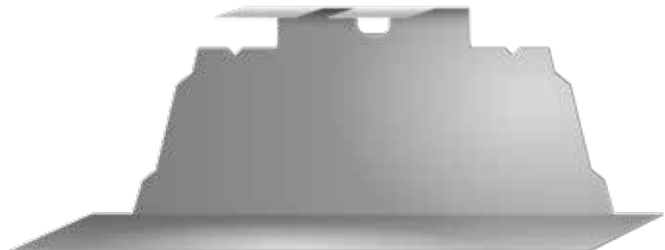
High performance deep deck specifically designed for Slimdek® and all other integrated steel beam systems.

- Optimised profile design gives superb span capability and composite performance.
- Enables all the benefits of Slimdek® type systems. Including 6m unpropped spans, big open area and slimmer floor zone.
- Easy service attachment and integration.
- Provides reduced overall floor height with fewer steel beams which enables an extra floor every eight floors.
- Eurocode compliant.
- End scallops required.



CF225 Steel End Diaphragm (end scallops).

Steel End Diaphragms are essential for the CF225 deck range to ensure the structural integrity of the deck. They are supplied in 1.8 metre lengths which cover three deep deck profiles.



CF225 Steel End Diaphragms (end scallops)

Technical Support

At Viriform, we are committed to providing outstanding customer care and technical support. Formerly under the brand name of Tegral, we have decades of knowledge and expertise in structural engineering solutions. Working alongside Tata Steel Construction, one of Europe's leading steel construction producers, we offer the widest range of highest quality products, services and construction innovations. We can help with:

- Design calculations (project specific).
- Software tools.
- Acoustic design.
- Vibration.
- Fire design.
- Slab penetrations and installation details.
- EPD – Environmental Performance Declaration.
- In-house CPD Seminars.



Design Service:

Our Technical support offer a design support service to all professionals. We can analyse each of the ComFlor composite floor decks in construction stage, service stage and for fire resistance, under a wide range of loading configurations. Contact our Technical Support team for more information.



For Technical Support:

Phone: +353 (0) 59 86 31316

Email: support@viriform.com



For Sales and Customer Service please contact us at:

Phone: +353 (0) 59 86 31316

Email: info@viriform.com



Sustainability and Standards



Sustainability

Viriform is the commercial and industrial sector of Etex Ireland which are part of the global building materials group, Etex. Both Etex Ireland, and Etex as a worldwide entity, have been leading the way in terms of light weight construction and environmental impact of construction for decades.

The company has fostered a strong environmental awareness among its workforce and invests a range of resources into achieving tangible environmental progress through its ongoing environmental improvement programme, as part of the ISO 14001 standard. Etex is also fully committed to the maintenance of a healthy and safe environment for its employees, for its customers and the local communities in which it operates through its ongoing certification to the ISO 45001 Health & Safety Management System.

Annual audits provide third-party assessment and verification of our efforts to manage our environment and social impacts.

Declarations of Performance are all available on www.viriform.com.

We work alongside our customers to design more sustainable products that contribute to solutions which offer a number of key advantages in terms of sustainability. Our products have enormous environmental credentials, are fully recyclable and are produced and built to last with consideration given to the components end of life options and the circular economy.



Standards



Your choice of products have a guaranteed level of quality as all of our products covered by an EN Standard carry an appropriate CE Mark. We operate to ISO 9001 (Quality), ISO 45001 (Health & Safety) and ISO 14001 (Environment). Factory produced with the backing of a robust quality management and environmental management standards, we offer full traceability of all components.



Based in Athy, Co. Kildare, we employ over 150 people and are proud to be founding Guaranteed Irish members. So when you choose Viriform, you have peace of mind that you are choosing high performance, top quality products as well as supporting local Irish jobs.

This document is protected by International copyright laws. Reproduction and distribution in whole or in part without prior written permission is strictly prohibited. Viriform is a registered trademark of Etex Ireland or an affiliate thereof. Any use without authorisation is prohibited and may violate trademark laws.

VIRIFORM[®]

www.viriform.com

Etex Ireland Limited

Kilkenny Road, Athy, Co. Kildare, R14 VN84

Phone : +353 (0) 59 86 31316

Email : info@viriform.com

