

# ArcelorMittal Fibres

Reinforced concrete solutions

Transforming reinforced concrete  
for the building industry

BUILDINGS



ArcelorMittal





ArcelorMittal

ArcelorMittal Fibres is working with Engineers and Contractors around the world to provide superior steel fibre reinforced concrete solutions for structural applications in buildings. Our partnerships are enabling **high performance concrete structures** to be constructed more **quickly**, more **safely** and more **efficiently**.

ArcelorMittal Fibres, part of the ArcelorMittal Group – the largest steel company in the world, is a global leader in providing steel fibre reinforced concrete solutions for structural applications.

For more than three decades, ArcelorMittal Fibres has been working with Engineers and Contractors to transform reinforced concrete structures for a better built world.

## REINFORCED CONCRETE SOLUTIONS FOR STRUCTURAL APPLICATIONS IN BUILDINGS

From our three state of the art production facilities in the UK, Luxembourg and Poland, we manufacture and supply a specific range of high quality steel fibres for structural applications.

We have developed four application specific solutions for structural projects:

- › **TAB®Slab**  
The solution for elevated slabs
- › **TAB®Raft**  
The solution for general foundation rafts on grade/piles
- › **TAB®Deck**  
The solution for composite metal decking systems
- › **TAB®House**  
The solution for housing rafts, strip foundations and cellar walls

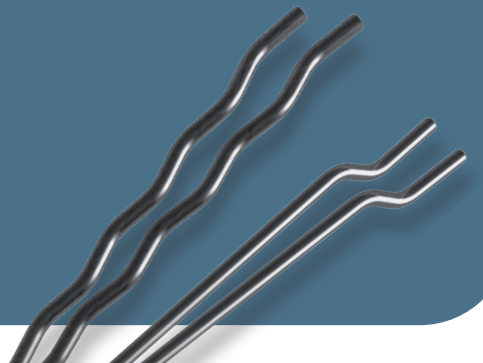


Image: By Arild Vågen (Own work) CC BY-SA 4.0 (www.creativecommons.org/licenses/by/4.0), via Wikimedia Commons from Wikimedia Commons.

TAB®Raft solution: General raft foundation on piles for Friends Arena, Stockholm, Sweden.

## OUR SOLUTIONS FOR STRUCTURAL APPLICATIONS ARE WIDELY USED ACROSS:

Retail | Residential buildings | Commercial offices |  
Entertainment complexes | Production plants | Warehouses |  
Distribution & Container terminals | Car parks |  
Arenas | Stadiums | Airports | Transportation depots



Reinforced concrete solutions from ArcelorMittal Fibres enable our customers to be more ambitious and build more **quickly**, more **safely**, more **sustainably** and more **profitably**.

Steel fibre reinforced concrete solutions from ArcelorMittal Fibres offer distinct advantages over reinforced concrete with steel mesh and reinforcing bars.

## Steel mesh and reinforcing bars



Labour intensive



Crane lifting for mesh



More time consuming



Larger storage area



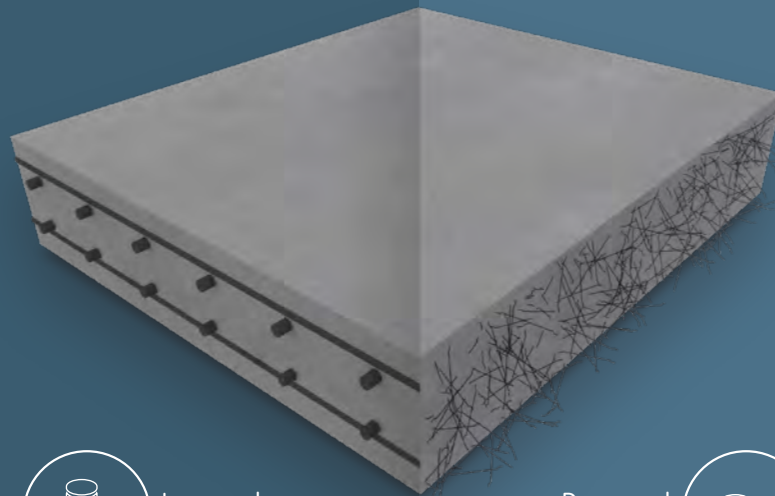
Increased costs



Higher safety risks



Complex placing and fixing of reinforcement



## Steel fibre reinforcement

Less labour intensive



Ready for use reinforced concrete mix



Less time consuming



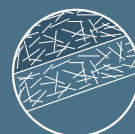
Decreased costs



Smaller storage area



No additional reinforcement required



Lower safety risks



## More reasons to choose ArcelorMittal Fibres



Expert support



Fibre performance



Guaranteed quality



Comprehensive product range



Packaging options



Your reliable project partner

# Supporting you from start to finish. The right advice. The right fibres. The right solutions.

ArcelorMittal Fibres do much more than manufacture and supply a comprehensive range of high quality steel fibres. We support you to ensure the success of your project from start to finish.

We offer expertise on:

- design and calculation of steel fibre reinforced concrete structural solutions
- setting up your project specification
- the most appropriate fibre type to comply with the specification
- optimum dosage rates to guarantee performance
- concrete mix design optimisation
- the supervision of performance tests
- on-site support and advice on dosing and mixing



Our team of experienced Engineers and Sales Specialists will give you all the support your project needs from conception to project completion.

We are here to support and assist you at every stage of your project.

## TAB<sup>®</sup>Slab

### Elevated slabs

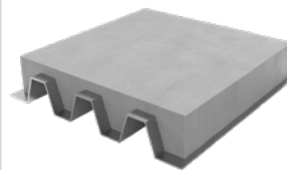
The ultimate solution for free-spanning, elevated, cast in situ, flat concrete slabs reinforced with steel fibres.



## TAB<sup>®</sup>Deck

### Metal deck concrete slabs

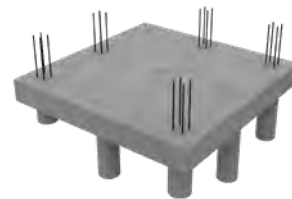
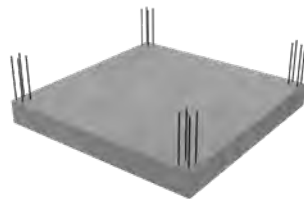
The solution for elevated composite metal deck floors with steel fibre reinforced concrete.



## TAB<sup>®</sup>Raft on grade/piles

### Foundation slabs

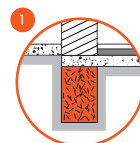
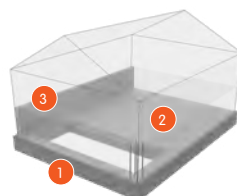
The solution for general concrete foundation rafts on grade or on piles, reinforced with steel fibres only, or a combination of steel fibres and reinforcing bars.



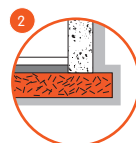
## TAB<sup>®</sup>House

### Wall & house foundations

The solution for concrete housing rafts, strip foundations and cellar walls, reinforced with steel fibres only, or a combination of steel fibres and reinforcing bars.



Strip foundation



Housing raft



Cellar wall





"Weeks of saved construction time, meaningful cost savings and consistent quality are the benefits we deliver to our customers everyday.

ArcelorMittal Fibres help us to make this possible with their high performance steel fibre reinforced concrete solutions for concrete frames, foundations, elevated slabs and other structures in residential and industrial buildings."

Janis Oslejs  
CEO Primekss Group

Our extensive experience in steel fibre reinforced concrete, together with our continuous research and development work, enable us to produce the best performing steel fibres for each of our structural solutions.

We manufacture a specific range of optimised steel fibres for the reinforcement of concrete used in building structures.

Our optimised fibres are manufactured using our own drawn wire and are offered with high, very high or ultra-high tensile strengths to meet every demanding project requirement.

## THE RIGHT FIBRE QUALITY AND TENSILE STRENGTH FOR EACH APPLICATION

WIRE QUALITIES	STEEL GRADE	RANGE OF TENSILE STRENGTHS - N/mm <sup>2</sup>																					
High Tensile	Standard																						
Very High Tensile	PREMIUM +																						
Ultra-High Tensile	PREMIUM ++																						
		>1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2500										

Whether you are an Engineer or a Contractor, contact us to learn about the benefits and advantages of our product range.

Our Engineers and Sales Specialists will advise you on the optimum steel fibre solution for your project.



# The world is building on our expertise.

ArcelorMittal Fibres operates internationally.  
We provide steel fibre reinforced concrete  
solutions for a better built world.

## Let's talk BUILDINGS

Contact

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