



TAB[®]Structural

ArcelorMittal steel fibre reinforced concrete solution for jointless slabs on piles

APPLICATIONS

Shopping centres | Production plants | Warehouses | Distribution depots
Car parks | Car show rooms



Solution description >

TAB[®]Structural is the solution for steel fibre reinforced concrete slabs on piles developed by ArcelorMittal Fibres. TAB[®]Structural finds its application when the soil bearing capacities are limited or where supply of good uniform soils becomes too expensive for industrial applications. The piles act like supports to the slab and they can be executed as precast steel piles or poured on jobsite.

TAB[®]Structural designs allow for the construction of the slab without any saw-cut joints and the possibility to avoid conventional mesh or traditional steel bar reinforcement. TAB[®]Structural is today one of the most efficient solutions for the design and construction of concrete slabs on piles bringing important technical and economical benefits to the final users.





TAB[®]Structural

ArcelorMittal Fibres

Reinforced concrete solutions

Benefits & Advantages of TAB[®]Structural >

Compared to traditional reinforced concrete slabs on piles, TAB[®]Structural is a simple, efficient and fast way to build a concrete slab on piles. In addition to the elimination of traditional reinforcement and the evident time savings and overall simplification of the construction process, TAB[®]Structural designs allow the amount of steel reinforcement required to reinforce the concrete slab to be reduced, ensures full bearing capacity and better control of shrinkage.

TAB[®]Structural solutions can be designed for slabs on piles with or without pile heads thanks to the high punching shear resistance of the steel fibre reinforced concrete used.



Slab on piles with traditional reinforcement



TAB[®]Structural

TAB[®]Structural in action >

The function of different buildings varies enormously and it is important that the design is considered thoroughly and executed to the highest standards with your requirements in mind.

Our engineering team undertake a detailed study of all the parameters affecting the design of the structure.

By doing this we can offer the optimal solution, without being unnecessarily over designed.

ArcelorMittal Fibres team can provide all the support and advice from the first design steps to the realisation of the final project.

How we create a TAB[®]Structural solution:



Collection of project information

Static calculation of slab on grade

Specification of TAB[®]Structural solution

Advice on concrete mix and dosing of fibres

Detailing: local reinforcement & joints

ArcelorMittal Steel Fibres & Support >

ArcelorMittal offers a wide range of steel fibres varying in shape, length, diameter and tensile strength, manufactured using the highest quality, fully traceable, drawn steel wire. The unique shape and precision dimensions of our fibres, together with their high tensile strength, deliver increased reinforcement performance with lower dosage rates.

Ask our sales representatives for our premium product range for TAB[®]Structural solution.

Our ArcelorMittal Fibres local representatives and engineers are available to provide support from start to finish and ensure the success of every project and every customer.

Let's talk
FLOORS

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