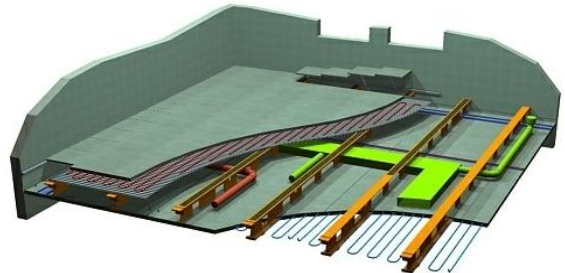


## VERSATILITY OF THE SLIMLINE FLOOR

The Slimline Floor is a unique, integral combination of ceiling, horizontal service shaft and subfloor. The composite floor solution is based on structural steel beams together with a concrete ceiling, manufactured in prefabricated elements, with a subfloor of choice.



A Slimline Floor is thinner and lighter when compared to conventional structural floors. It provides a fast track building process whilst offering a number of energy efficient and cost saving design options such as the thermal activation of both floor and ceiling to provide a very comfortable but energy-efficient indoor climate. Distinctive properties of the Slimline Floor can be summarized as follows:

Slimline Floor property	Added Value
Integrated solution	Speeds up the integration of construction and M&E installations
Lighter weight	Reduced weight allows lower foundation costs or more m <sup>2</sup> on existing foundation
Large span	Column-free open spaces, irregular building shapes are possible
Reduced floor zone height	Reduced building cost and options for more floors in the same building height
No shuttering strut, dry build	Reduction in build programme
Finished ceiling	Smooth soffit offering esthetical value
Installations in the floor zone	Easy and fast installation of M&E, reachable from above
Open horizontal service shaft	Future-proof and easily modifiable layout choices
Thermal activation (option)	Provides comfortable indoor climate and very energy efficient performance

In addition to the above characteristics, the Slimline Floor offers excellent acoustic and fire-resistant properties. The double-shell construction with acoustic de-coupling provides LnTa < 45dB and DnT.k > 60dB. Fire-resistance of the Slimline Floor has been tested at > 145 minutes.

The exceptional design benefits of a Slimline Floor make it suitable for a wide range of buildings.

If a detailed product presentation would be of interest we would be more than happy to have one of our experienced technical sales team to call to arrange a suitable meeting to explain in detail the benefits of the Slimline Floor. Perhaps you already have a suitable project. If so, we would like to invite you to discuss the options and added value of the Slimline Floor system without obligation.

	Building Type	Slimline Floor Properties	Added Value
Residential	Luxury apartments	Open horizontal service shaft Smooth soffit/ ceiling Thermal activation (option)	Easily modifiable floor layout Esthetical value Highly comfortable indoor climate
	Residential care	Open horizontal service shaft Thermal activation (option)	Easily modifiable floor layout Energy efficient
	Student accommodation	Open horizontal service shaft	Easily modifiable floor layout

	Building Type	Slimline Floor Properties	Added Value
Commercial & Industrial	Office and Government Buildings	Lower story height Lower story height Large span Nice ceiling Thermal activation (option)	Building cost reduction More floors in same building height Column-free open space Esthetical value Highly comfortable indoor climate
	Hotel	Open horizontal service shaft Smooth soffit/ ceiling Thermal activation (option)	Easily modifiable floor layout Esthetical value Highly comfortable indoor climate
	Hospital or Laboratory	Lower story height Large span Open horizontal service shaft Thermal activation (option)	Building cost reduction Column-free open space Easily modifiable floor layout Highly comfortable indoor climate
	Educational Institution	Large span Open horizontal service shaft Lower story height Thermal activation (option)	Column-free open space Easily modifiable floor layout Building cost reduction Highly comfortable indoor climate
	Museum	Large span Nice ceiling Open horizontal service shaft Thermal activation (option)	Column-free open space Esthetical value Easily modifiable floor layout Highly comfortable indoor climate

	Building Type	Slimline Floor Properties	Added Value
Others	Desire for Sustainability	Light weight Open horizontal service shaft Thermal activation (option)	Less material use Functional change option Energy efficient
	Refurbishment	Light weight No shuttering strut, dry build Open horizontal service shaft	More m <sup>2</sup> on existing foundation Build time reduction Easy installation of ducts and pipes

Would you like to know more about the Slimline Floor? Please contact us to discuss the possibilities for your next project or visit our website!

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