

Flexibility for your designs

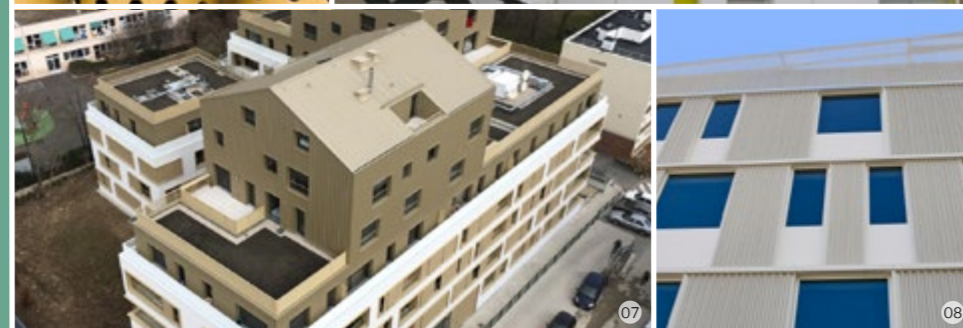
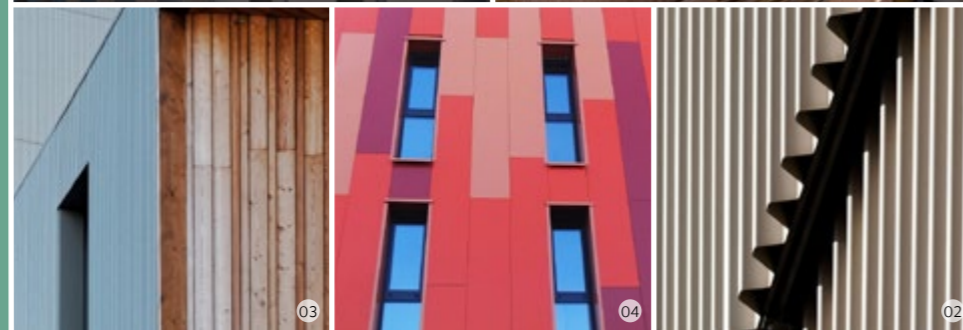
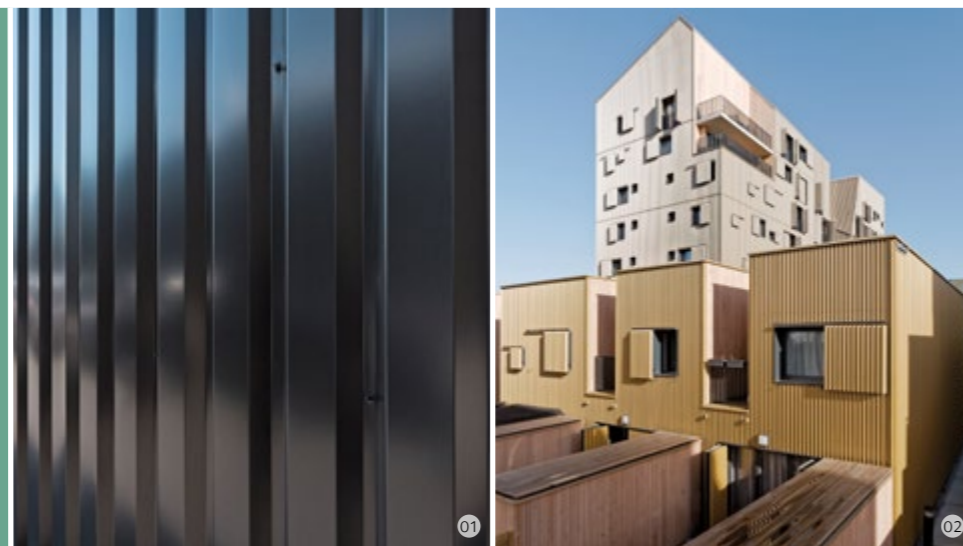
A world of coatings, colours, and textures

D2B® gives you a wide range of aesthetic possibilities depending on the type of panel you choose.

Keep it simple with D2B Promisol® and customise your designs with our Colorissime® colour chart or be bolder and create an original colour through our made-to-order service.

D2B Archisol® gives you the freedom of going beyond colour. With a choice of customisable skins and a variety of geometries that are either standard or tailored to your design, you can create perfect original façades over and over again.

D2B Archisol® also gives you the option of using wood, tiles, cement composite material, and a variety of other finishes that expand your design freedom.



ArcelorMittal Construction



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D2B® Prefabricated wall system



High-performance, fully customisable modular construction solution

Inspiring Smarter Building

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Prefabrication, construction that makes sense

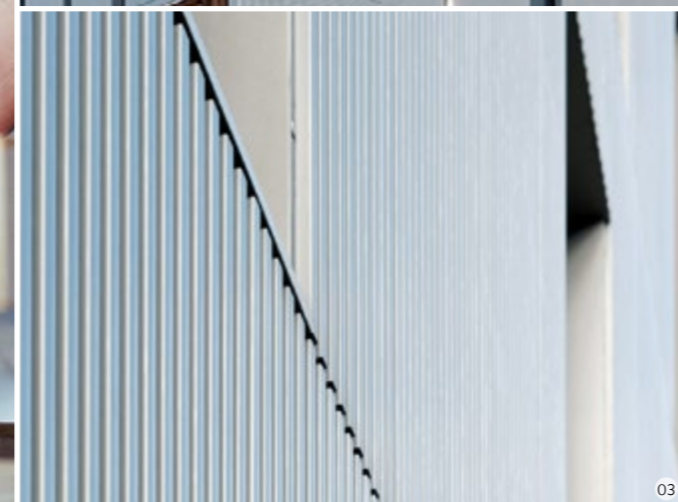
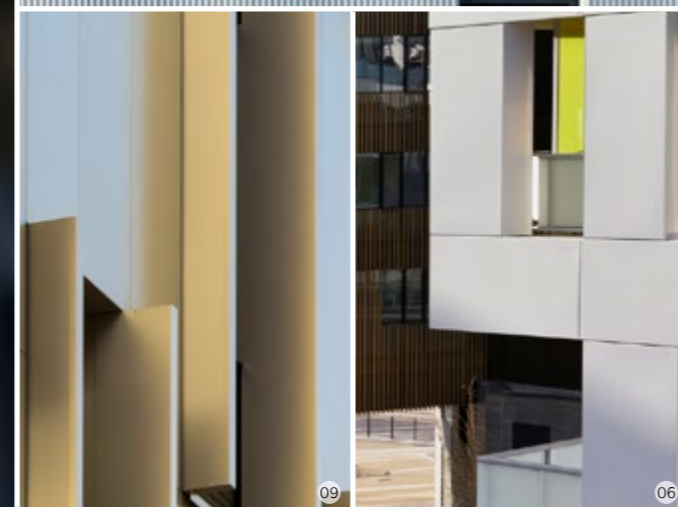
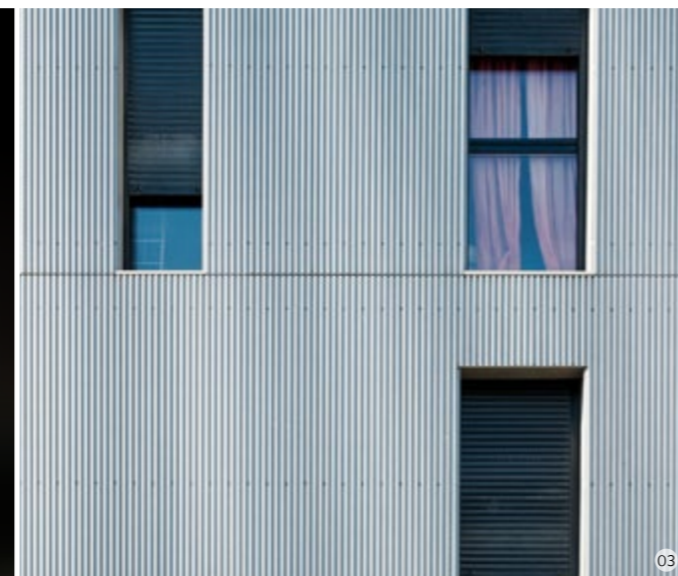
Key players in construction and real estate are converting to prefabrication. In Europe, off-site construction of collective dwellings is experiencing very high growth, especially in big cities and dense urban areas. Not only are prefabricated modules replacing old collective dwellings, affordability and short delivery time make them a feasible option for commercial buildings and refurbishing projects too.

Introducing D2B®: smart, customisable, efficient

Driven by the desire to inspire smarter building, we have developed a unique concept of prefabricated façades – a complete system for offices, multi-family residences, and more.

D2B® is our new prefab solution combining high-efficiency, watertight insulated panels, innovative mounting solutions and our range of architectural finishes to create the ultimate façade construction solution.

Thanks to D2B®'s lightweight design, installation is quick and easy, improving on-site safety, building quality and consistency as well as reducing costs.



The D2B® range

Our complete D2B® prefabricated system includes high-performance insulated steel panels, superior membrane joining and a unique fixing system, providing optimal airtightness and thermal performance.

We have two types of panels to form modules up to 6.20 m wide and 3 m high.

D2B Promisol® is an insulated sandwich panel with a PIR (Polyisocyanurate) core and pre-painted steel facings for façade applications. D2B Promisol® is easy to install and is available in six different profiles and a wide range of finishes.

D2B Archisol® is a PIR insulated module with special specifications that allows for the fixation of a variety of aesthetic skins, giving a great degree of design freedom and customisation.

Innovative mounting solutions

Membrane joining

Our patented, innovative membrane-joining technique delivers exceptional airtightness. D2B® is quick to seal, creating a weatherproof building envelope that also enables the earlier start of interior fit-out.

Fixing system

We have developed a unique fixing system that speeds up installation and offers complete reliability. Simple to use, this system reduces labour costs, improves on-site safety and provides for building adaptations in the future.

Applications

D2B® was developed out of our ongoing commitment to push our industry to the forefront of innovation and offer integrated building solutions.

Our range complies with current building and fire safety regulations and can be used in a variety of buildings where the floor of the highest level is under 28 metres.

D2B® applications include:

- Individual and collective family housing
- Hotels, student residences, retirement homes
- Public buildings and offices
- Constructions in seismic zones 1-4
- Areas experiencing most forces of wind except marine coasts

Advantages of D2B®



Thermal properties

Global thickness of the system	Thermal Transmittance U W/m²K	Thermal Resistance R m²K/W
D2B Promisol® 80 mm + MW 60 mm	0.190	5.263
D2B Promisol® 100 mm + MW 60 mm	0.165	6.061
D2B Promisol® 120 mm + MW 80 mm	0.135	7.407
D2B Archisol® 80 mm + MW 60 mm	0.175	5.714
D2B Archisol® 100 mm + MW 60 mm	0.152	6.579
D2B Archisol® 120 mm + MW 80 mm	0.125	8.000
D2B Archisol® 140 mm + MW 100 mm	0.106	9.434

Performance testing

	Class (NBN EN 14351-1)
Air permeability	Class A4
Watertightness	Class R6
Wind load (deformation)	+1800Pa/-1800 Pa
Shock resistance	+2700Pa/-2700 Pa
Fire	LEPIR II