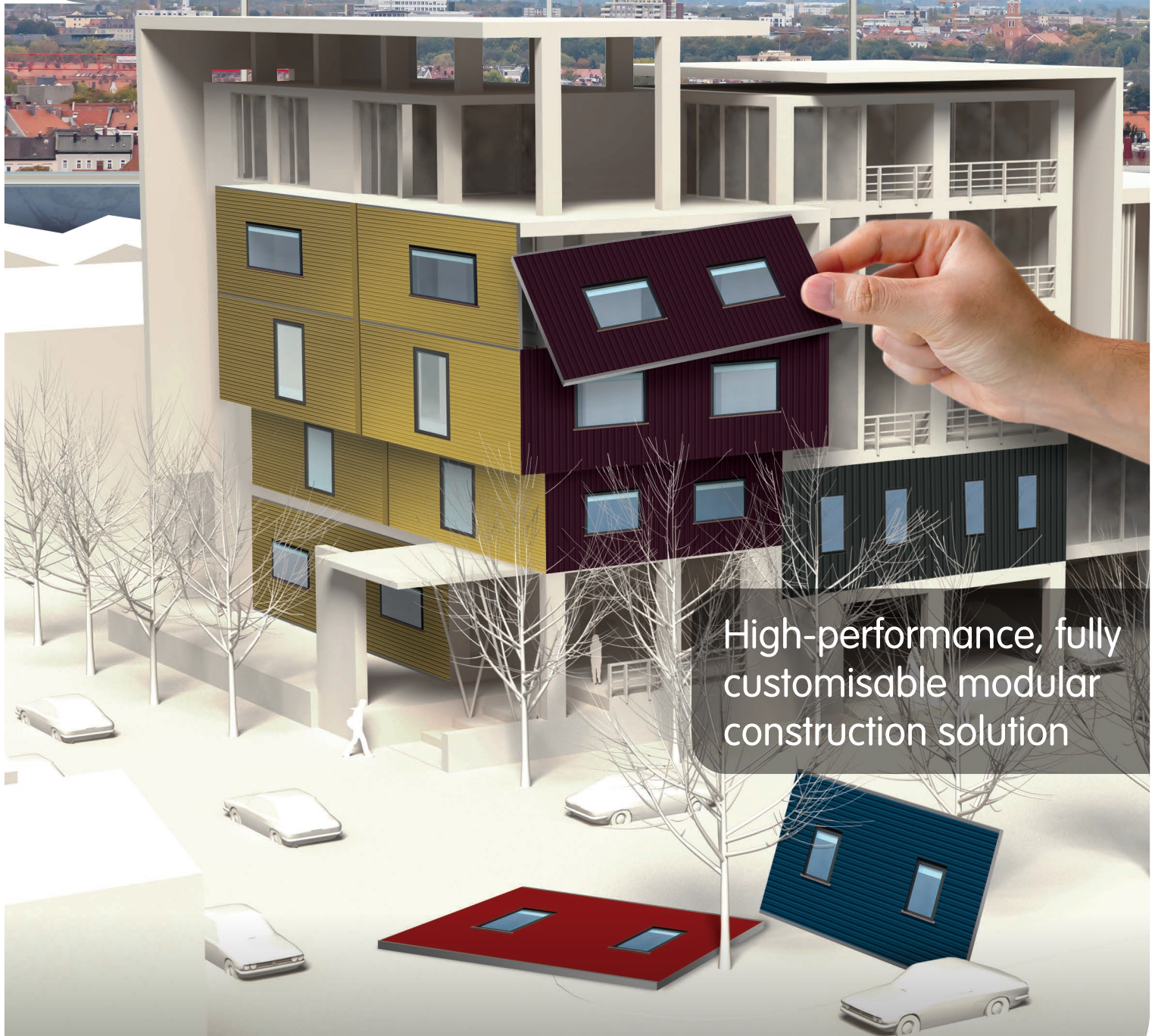


ArcelorMittal Construction



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D2B[®] Prefabricated wall system



High-performance, fully
customisable modular
construction solution

Inspiring Smarter Building

Flexibility for your designs

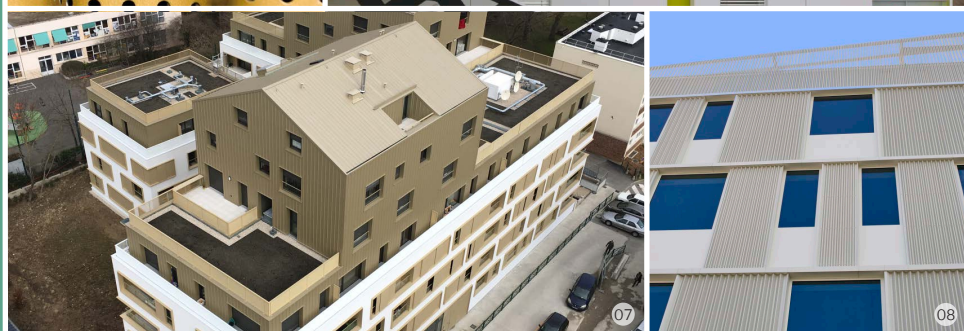
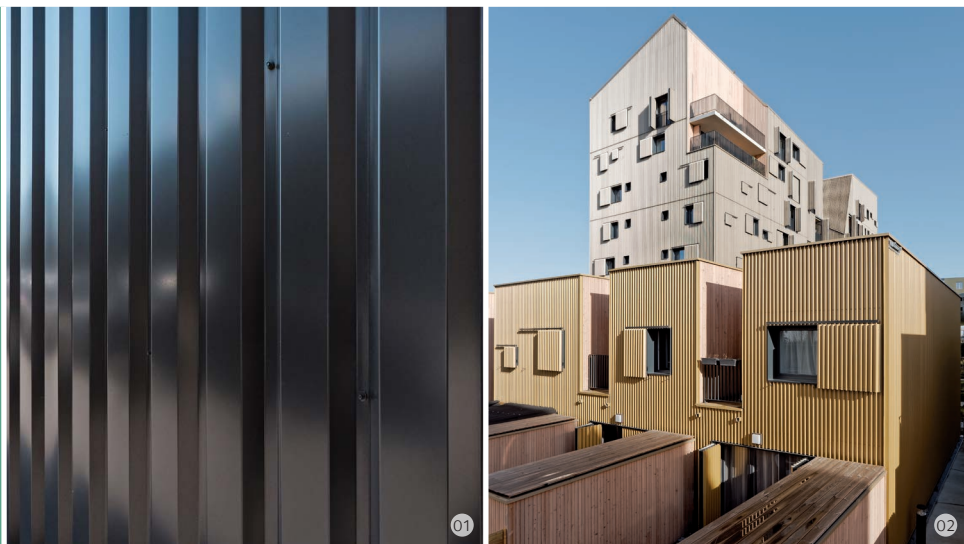
A world of coatings, colours, and textures

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, fibre cement, HPL, mineral composite, and a variety of other finishes that expand your design freedom.



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.

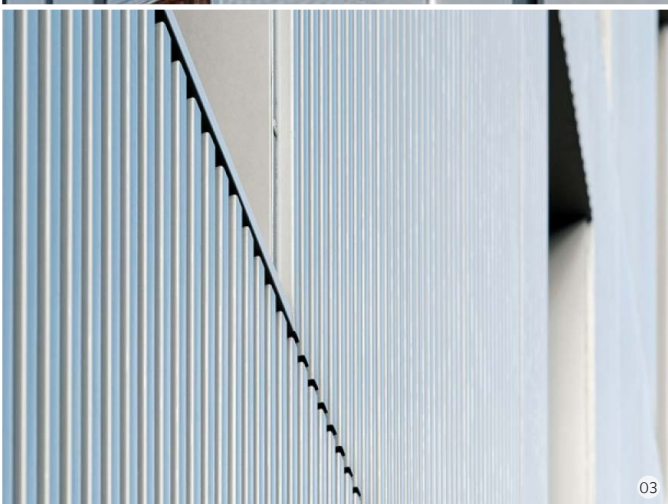
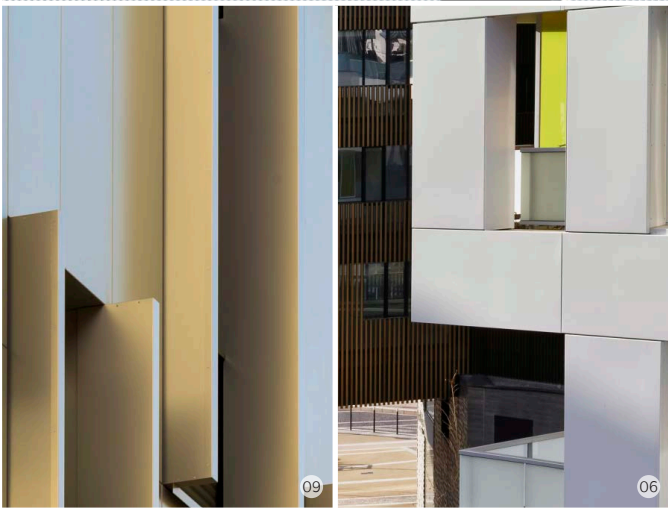
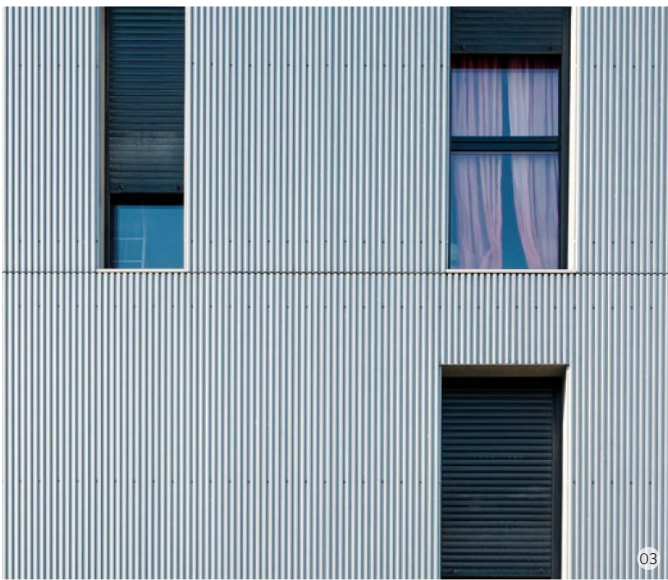
Introducing D2B® “Designed to Build”: smart, customisable, efficient

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® - Designed to Build - 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 12 m wide and 3.55 m high.

D2B® Promisol® is an insulated sandwich panel with an insulation 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 an 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
- 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

Performances	
Air permeability	Class A4 (EN 12152)
Watertightness	Class R6 (EN 12154)
Wind load (deformation)	±1800Pa (EN 13116)
Wind load (safety)	±2700Pa (EN 13116)
Shock resistance	M50/900J
Fire	LEPIR II



ArcelorMittal International

24-26 Boulevard d'Avranches
1160 Luxembourg
T: +352 4792 2780

Austria-Österreich

ArcelorMittal Construction Austria
Lothringenstraße 2
4501 Neuhofen an der Krems
T: +43 7229 64 584 0

Pflaum & Söhne Bausysteme

Ganglgutstraße 89
4050 Traun
T: +43 7229 64 584 0

Belgium-Belgie

ArcelorMittal Construction
Lammerdries 8
2440 Geel
T: +32 14 56 39 43

Croatia-Hrvatska

ArcelorMittal Construction Croatia
Bani bb
10000 Zagreb
T: +385 1 6607 532

Czech Republic-Česká Republika

ArcelorMittal Construction
Sokolovská 192/79
186 00 Praha 8
T: +420 272 072 010

Denmark-Danmark

ArcelorMittal Construction
c/o SM Stål ApS
Østre Allé 6
9530 Støvring
T: +45 36 41 30 22

France

ArcelorMittal Construction
16 route de la Forge
55000 Haironville
amccommercial@arcelormittal.com

Installers - North

Haironville (55)
T: +33 3 29 79 85 85

Onnaing (59)

T: +33 3 27 23 90 00
Installers - South
Hagetmau (40)
T: +33 5 58 79 56 50

Distributors - West

Thouaré (44)
T: +33 2 51 13 07 10

Distributors - East

Diemoz (38)
T: +33 4 72 70 29 00

Germany-Deutschland

ArcelorMittal Construction Deutschland
Münchener Strasse 2
06796 Sandersdorf-Brehna
T: +49 34954 455 0

Hungary-Magyarország

ArcelorMittal Hungary
Weiss Manfred ut. 5-7
1211 Budapest
T: +36 1 350 28 76

Netherlands-Nederland

ArcelorMittal Construction
Krommewei 8
4004 LZ Tiel
T: +31 344 631 746

Norway-Norge

ArcelorMittal Construction Norge AS
Tærudgata 1
2004 Lillestrøm
T: +47 63 94 14 00

Poland-Polska

ArcelorMittal Construction
ul. Metalowców 1
41600 Świętochłowice
Tel. +48 32 770 65 40

Portugal

ArcelorMittal Construção
Estrada Nacional 3 (Km 17,5)
Apartado 14
2071-909 Cartaxo
T: +351 263 400 070

Romania-România

ArcelorMittal Construction
136 Biruintei Bdul, DN3 Km 14
077145 Pantelimon, Jud. Ilfov
T: +40 21 312 45 17

Slovakia-Slovenská Republika

ArcelorMittal Construction
Železničná 2685/51A
905 01 Senica
T: +421 34 321 0012

Spain-España

ArcelorMittal Construcción
Carretera Guipuzcoa Km 7,5
31195 Berrioplano (Navarra)
T: +34 948 138 669

Sweden-Sverige

ArcelorMittal Construction Sverige AB
Västanvindsgatan 13
65221 Karlstad
T: +46 (0)54 68 83 00

Switzerland-Schweiz

ArcelorMittal Construction Suisse SA
Industriestrasse 19
8112 Otelfingen
T: +41 56 296 10 10

United Kingdom

ArcelorMittal Construction UK
ArcelorMittal Commercial UK Ltd
Suite F / Campsie Softnet Centre
Enterprise House
Southnet Business Park
Kirkintilloch, Glasgow - G66 1XQ
T: +44 141 530 1485

INDIAN OCEAN

Réunion

ArcelorMittal Construction Réunion
ZIN° 2-44 rue Paul Verlaine
BP 802
97825 Le Port
T: +262 42 42 42

CARIBBEAN

Guadeloupe

ArcelorMittal Construction Caraïbes
51 Rue Henri Becquerel prolongée
Bâtiment B - Z.I. de Jarry
97122 Baie-Mahault
T: +590 26 82 03

Martinique

ArcelorMittal Construction Caraïbes
ZIP de la Pointe des Grives
97200 Fort de France
T: +596 60 60 00

Saint Martin

ArcelorMittal Construction Caraïbes
Lotissement Savane Activité
97150 Saint Martin
T: +590 52 98 04

Dominican Republic

ArcelorMittal Construction Caraïbes
131 Avenue Charles de Gaulle
Ens. Cancino Viejo
Santo Domingo
T: +1 809 483 27 69

Guyana

ArcelorMittal Construction Caraïbes
ZI de Degrad des Cannes BP 418
97300 Remi-Remont-Joly
T: +594 25 52 25

construction.arcelormittal.com

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Inventing smarter steels
for a better world