



ArcelorMittal

Arval

by ArcelorMittal

Hairclyn



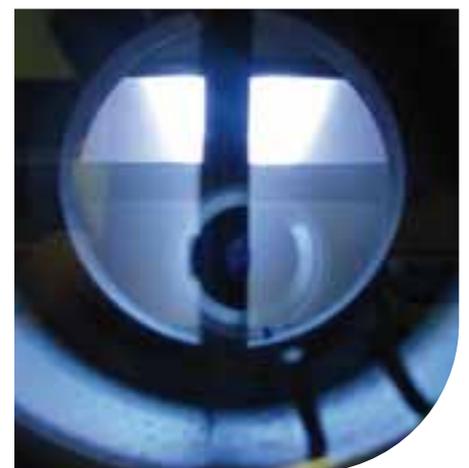
The coating
with hydrophilic
surface

Capitalize on the latest technologies and exploit new materials.
Arval at ArcelorMittal Construction has issued this set of challenges.

HAIRCLYN emerged from the desire to provide solutions which answer building sustainability.

Hairclyn

1. Is based on the vacuum coating technology PVD (Physical Vacuum Deposition).
2. The coating is applied when the material is manufactured and contains titanium dioxide (TiO_2), which confers hydrophilic properties to the surface.
3. It is available in the following ranges of coating: Hairplus® Clyn, Hairultra® Clyn et Hairexcel® Clyn and has the same properties (performances and sustainability). You will find them in our Arval material selection guide.
4. It is available in all the colours you can find in the Arval « Colorissime ».
5. It adapts to the entire range of Arval envelope solutions .

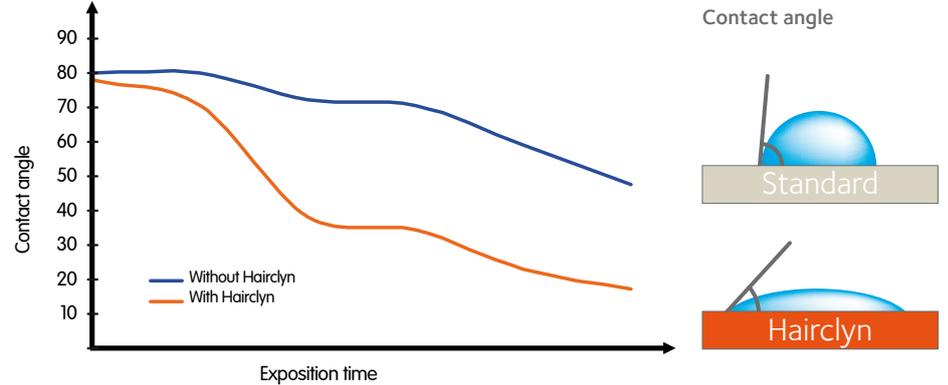




Hairclyn is the aesthetic quality of your pre-painted steel façades:
 -means great ease of cleaning, even with rainfall.
 -stands for greater pollution resistance, less embedded dust and soiling.

Behaviour

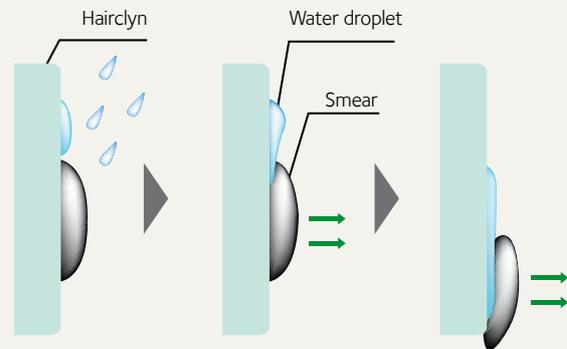
The hydrophilic behaviour of Hairclyn upon exposure to external environments



The cleaning capacity of a surface depends mainly on the contact angle of the water droplet on the surface.

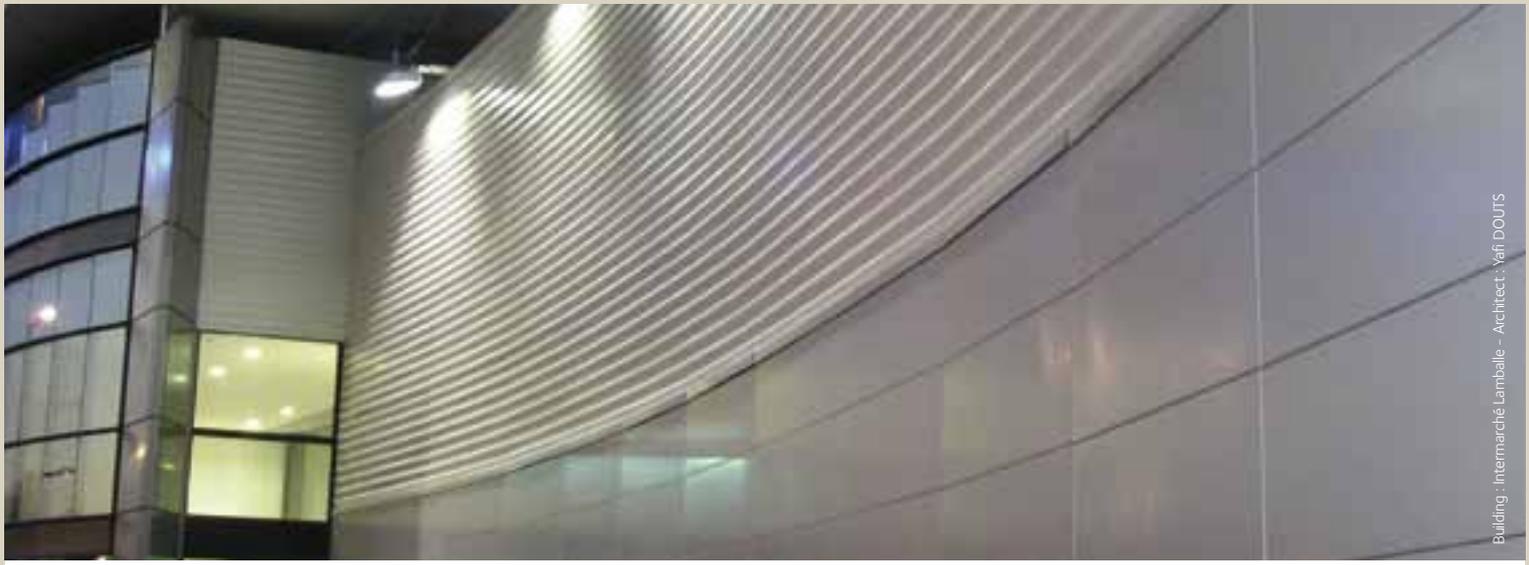
Schematic of coating Hairclyn

Hairclyn still remains more hydrophilic than an untreated pre-painted finish, thus ensuring the water is evenly spread over the surface and making grime removal easy. Thanks to this process, your facade recovers its original appearance.



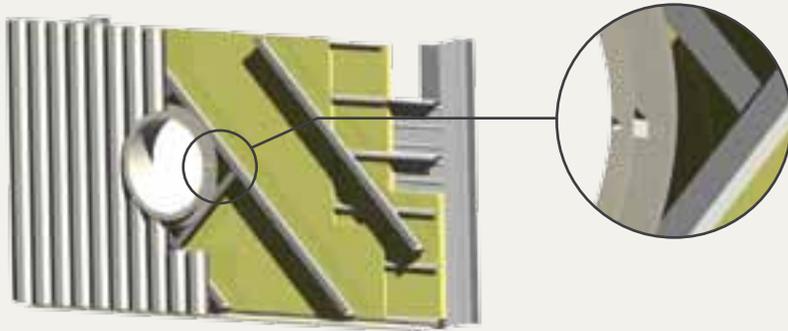
Test

	Without Hairclyn	With Hairclyn
Resistance to pollution		
Aspect After rain		
Aspect after Cleaning with waterspray		
Aspect after High pressure cleaning on siding (soiled and cleaned)		

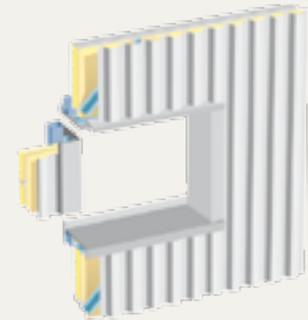


Assembly and details solutions

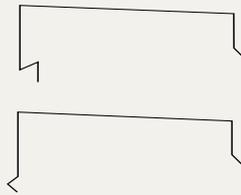
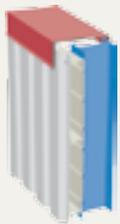
Flashing around circular bay



Flashing around traditional bay



Parapet AF CA



Water running down the wall tends to create unsightly stains. The special design of our finishing accessories along with the quality of Hairclyn coating, considerably contribute to cutting down the number of unaesthetic streaks on façades. All our flashings are produced with special drip edges.

Environment

With Hairclyn you will economize on the cost of cleaning your façades several times, saving up to 3 €/m² (Per cleaning operation). Hairclyn has exceptional properties, making the use of detergent unnecessary when cleaning down the building, thus enabling the owner to save a further 1.50 €/m² at the least.

