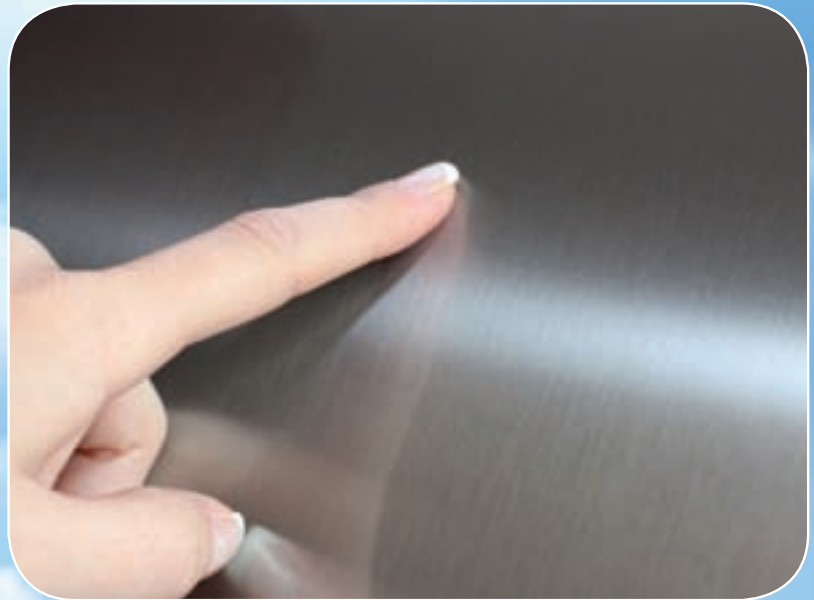




ArcelorMittal

STAINLESS NANOCOAT



High-Tech Anti-Fingerprint
Stainless Steel

Arceo

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As a world leader in steel manufacturing, **ArcelorMittal** strives to stay at the forefront in coating processes.

With **R&D** centres that employ 1,300 people and have an annual budget of \$190 million, the groupe is continuously developing new products and **supporting its customers** by researching and developing new steel-based systems.

ARCEO, a subsidiary company of **ArcelorMittal**, is located in Liège (Belgium) and has an industrial production line totally dedicated to **new coating technologies**, such as PVD (Physical Vapour Deposition). The principle of PVD consists of depositing a coating material on a sheet under vacuum. This allows us to deposit a nanometric layer of virtually any existing material, very homogenously along the strip.

These technologies enable many different types of new development that can be applied to every market in which the ArcelorMittal Group is active : (solar and lighting), automotive, construction, **industry** etc.



⇒ Stainless Nanocoat product

Fingerprints on stainless steel is an issue that has been addressed for years by house appliances users and manufacturers.

In response, traditional transparent organic coatings present the inconvenient of being highly scratch-sensitive and making the high-end metal look like plastic.

Standing at the root of emerging technologies, Arceo embarks on the path of functional materials and comes up with a high-tech sol-gel coating.

Stainless Nanocoat contains nano-particles of glass, improving the hardness and clarity of the coating. Moreover, the composition of the coating allows it to be extremely thinly deposited (2 to 4 μm), leaving the surface and structure of the underlying metal visible.



High-Tech Anti-Fingerprint Stainless Steel

➔ Product Overview

- Ideal for kitchen equipment, domestic appliances (hot, cold and wet) and internal architecture
- Available on brushed ferritic and austenitic stainless steels
- Anti-fingerprint and easy-to-clean
- Outstanding staining resistance
- Extreme scratch resistance
- Exceptional temperature behaviour
- Good formability : bending, stamping, slitting, cutting
- Stainless Nanocoat complies with RoHS directive



➔ Supply specifications

- Thickness: from 0.4 mm to 1.5 mm
Thinner thicknesses on request
- Width: up to 1500 mm
- Delivery form: coils, slit coils or sheets
- Temporary protection: strippable film
- Standard packaging: paper on wooden pallet
- Standard treatment: on one face of the sheet
Double-faces treatment on demand



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Transforming tomorrow



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