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**PFAS Free – New Technology**



**Italian cooking delight**



**MADE in ITALY**

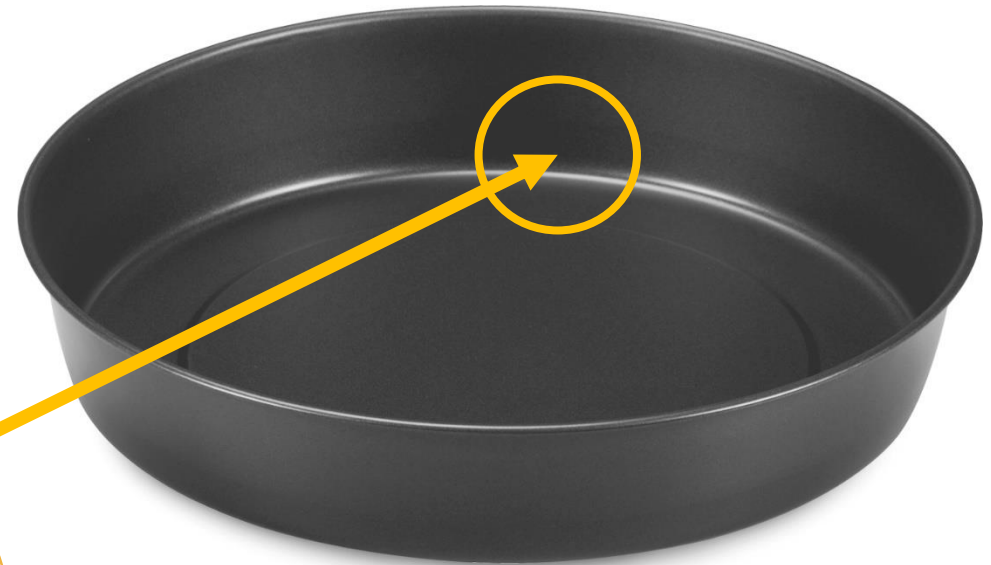
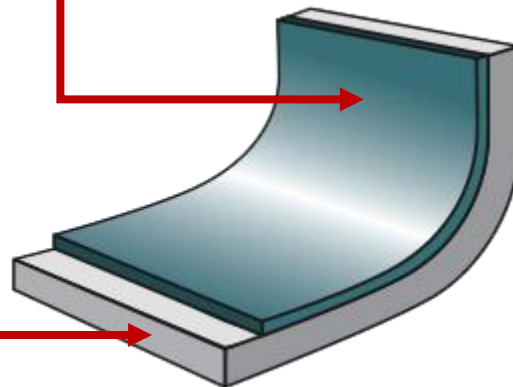


# OUR PRODUCT

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NON-STICK  
COATING

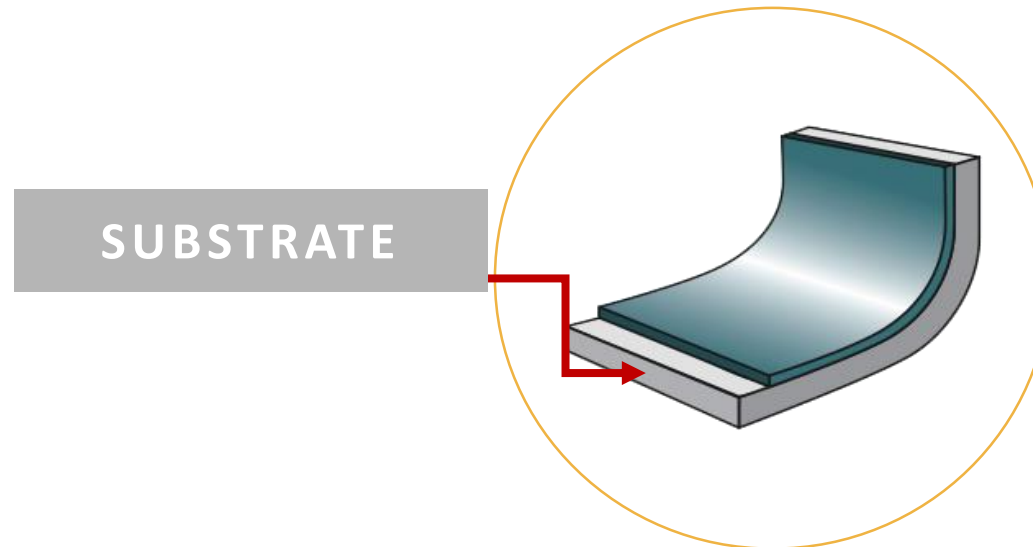
SUBSTRATE



# OPTIMIZED SUBSTRATE

The **substrate** is ECCS steel with **optimized thickness**

- > Optimized use of raw material → Zero waste
- > Minimum barrier between heat and food → Excellent cooking results
- > Cooking in a shorter time → Lower energy consumption

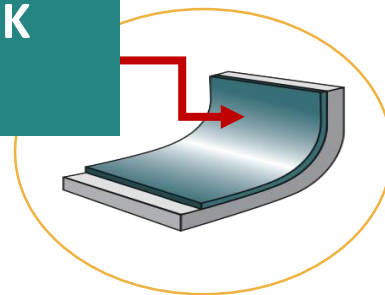


# NON-STICK COATING WITH ZERO DISPERSION

The **non-stick coating** is applied with “**coil coating**” technology

- Use of «coil coating» technology ➡ Zero dispersion into the environment during application of non-stick paint
- More uniform coverage of the mould surface ➡ Excellent non-stick performance
- Long-term stable non-stick performance ➡ Longer product life cycle
- Easy cleaning after use ➡ Saving of water and detergents during washing
- Cooking without oil and added fats ➡ Healthy cooking

**NON-STICK  
COATING**



# THE NEW ENVIRONMENT FRIENDLY RANGE

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- 1 **XCarb® certified Green Steel**
- 2 **PFAS free double layer non-stick coating**
- 3 **FSC certified packaging**



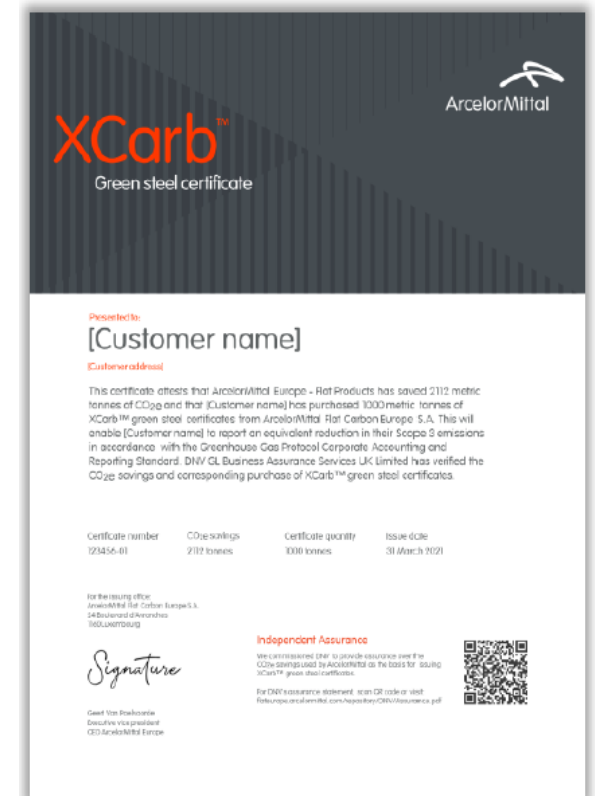
# STEEL SUBSTRATE FROM CERTIFIED CHAIN

Our steel is now **greener** because it comes from a controlled supply chain with a low **carbon footprint**.



Arcelor Mittal has effectively intervened in the steel production chain, leading to a **reduction in energy waste and greenhouse gas emissions**, obtaining economically efficient and environmentally sustainable results.

Today these results are certified by **XCarb® green steel certificate**, which certifies the decarbonization process of blast furnaces, using existing and innovative technologies.

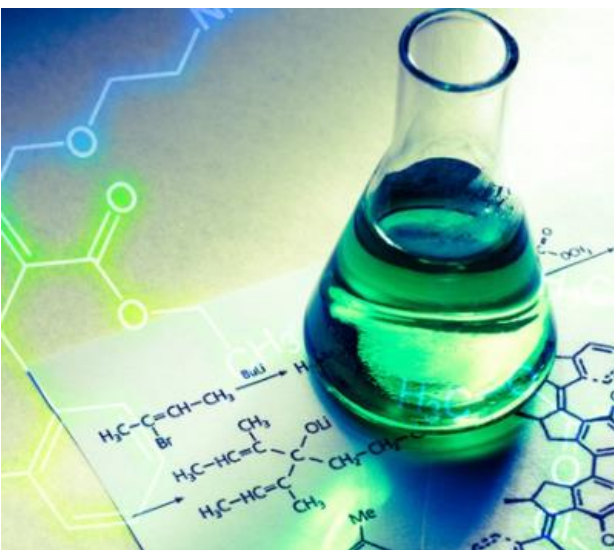


# MORE ECO-SUSTAINABLE FORMULATION WITHOUT PFAS: BUT WHAT ARE THEY?

From today we adopt a **new technology** that is **MORE ENVIRONMENT FRIENDLY**: a new range of cutting-edge baking moulds that cares about the environment and **does not use PFAS in the production process**.

**PFAS** (perfluoro alkyl substances) constitute a large family of thousands of synthetic chemicals widely used throughout society and found in the environment.

**PFAS** have a wide range of different physical and chemical properties and they are used extensively as they have unique desirable properties. For example, they are stable under intense heat and many of them have surfactant properties and functions, such as water repellents and greases.



All of them contain carbon-fluorine bonds, which are among the strongest chemical bonds in organic chemistry. This means that **they are resistant to degradation**.

This is why they are **highly persistent in the environment** and have been observed in soil and water contamination. They persist in the environment longer than any other surface substance. Remediation of contaminated sites is possible, but very expensive.

# NEW PFAS FREE TECHNOLOGY

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By eliminating PFAS from the production process, we intend to achieve

an even **greener goal**

reducing the environmental impact of our product



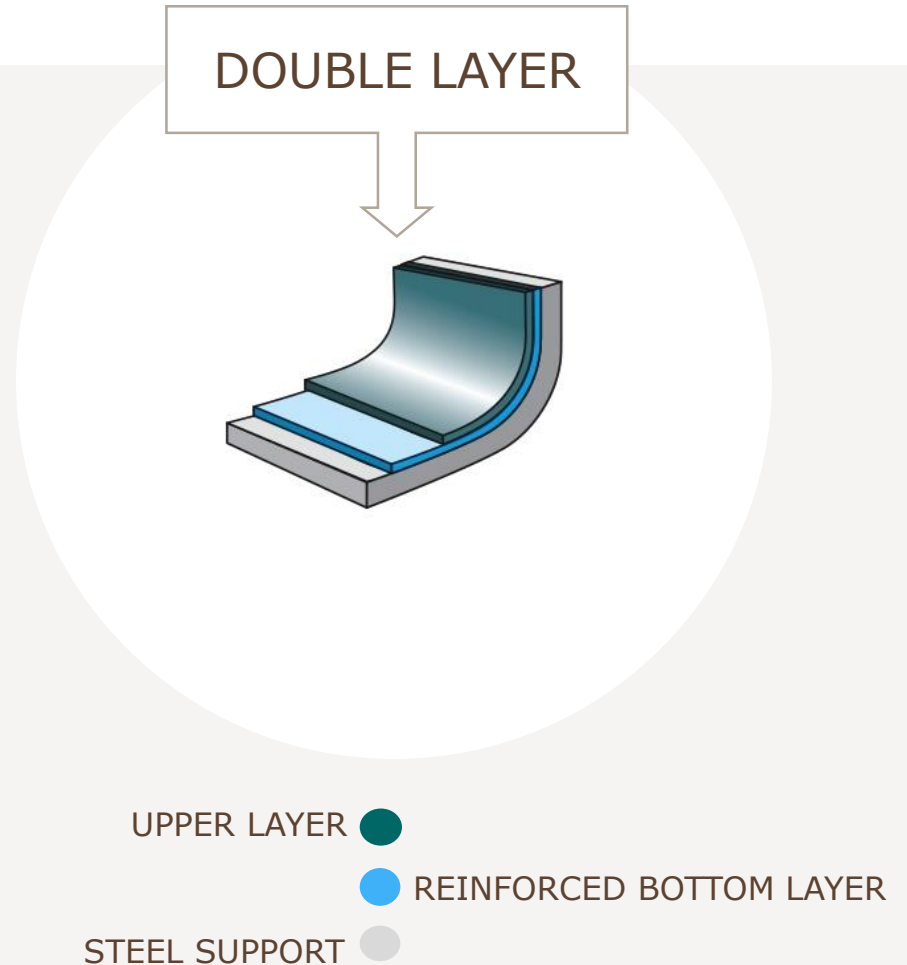


# PFAS FREE NON-STICK COATING

- **Double layer** non-stick coating
- Excellent non-stick properties, which allow easy release and **quick cleaning after use**
- Suitable for **intensive and high-level uses**, thanks to the remarkable resistance to abrasion, for cooking sweet and savory recipes
- Max allowed temperature: **230°C**

AND THEN

PFAS free, innovative,  
performing, cleaner



# THE NEW FRONTIER OF COATINGS

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**WE BAKE PFAS FREE**



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# GUARDINI S.P.A.

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