

# Granite<sup>®</sup> Storm

## The right choice for solar roofs

Granite<sup>®</sup> Storm is a pre-painted steel for roofing applications offering extended durability, a matt finish and exceptional formability: all in one product.

This unparalleled performance is made possible by the combination of a thick and flexible organic coating combined with an optimised metallic steel substrate.

Granite<sup>®</sup> Storm is particularly specified for roofs where aesthetics and durability are key assets. It is an ideal alternative to the traditional tiled roof, as it offers the very highest levels of robustness. Thanks to Granite<sup>®</sup> Storm, roofs can be built to last for more than a generation, and are able to resist whatever nature throws at them.

Granite<sup>®</sup> Storm has been thoroughly tested in laboratories, and external marine environments before being brought to market.

The successful performance of the product in harsh environments allows ArcelorMittal to offer a guarantee of up to 35 years, on Z275 g/m<sup>2</sup> substrate or equivalent, against perforation of the metallic substrate.

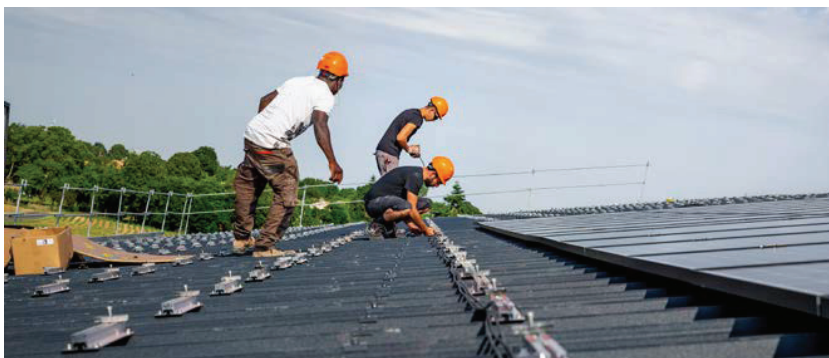


Photo courtesy of Joris Ide

### Processing

Formability is a key requirement for roofing tiles. Granite<sup>®</sup> Storm, with its highly flexible coating, allows forming to create both new designs and traditional looks. The paint system remains robust even after forming. Non-peeling of the paint film is guaranteed.

ArcelorMittal Global R&D has tested Granite<sup>®</sup> Storm's processing behaviour on real tools, with the most severe radius shapes to be certain of these high performance levels.

guarantee **35** years\*

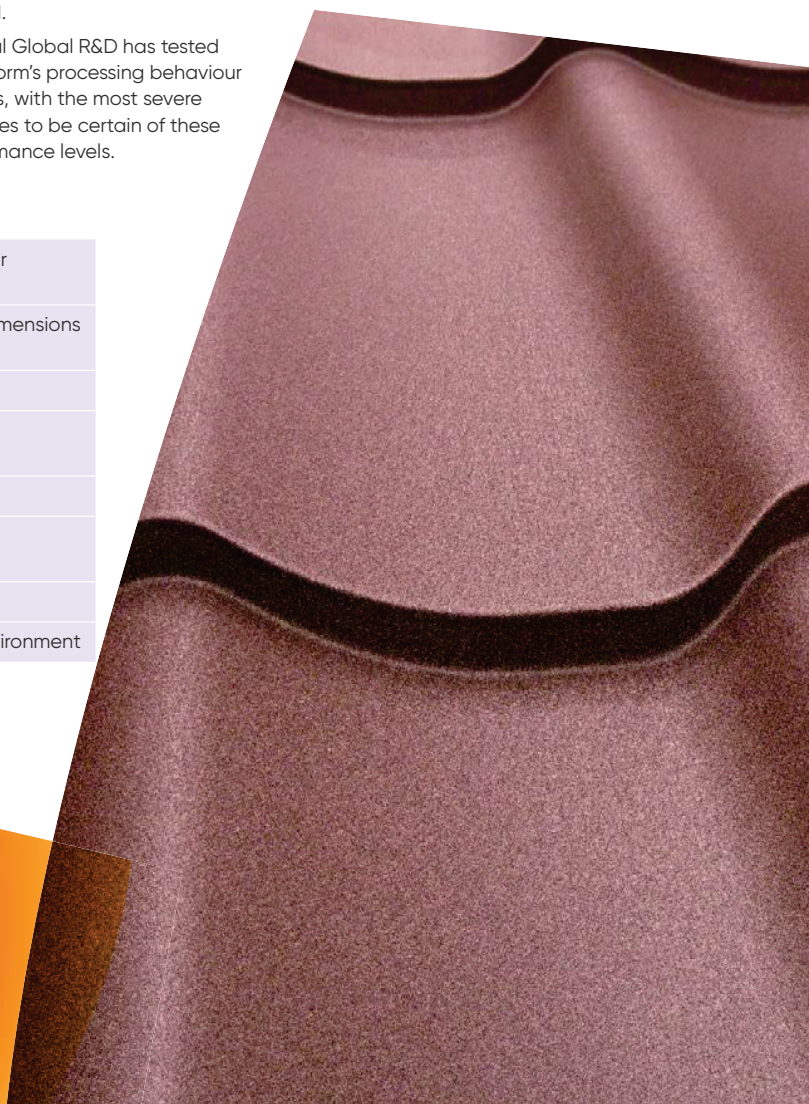
\* may vary depending on the environment

### Technical data

Coating	50 µm organic coating applied on a Z275 (or equivalent) zinc-coated flat carbon steel
Dimensions	0.45 to 1.2 mm, 600 to 1250 mm (for other dimensions please contact us)
Gloss	Maximum 5 GU
Corrosion / UV resistance	RC5+ / RUV5 (EN10169)
Flexibility	Resistance to cracking (T-bend) ≤ 2 T
Scratch resistance	≥ 2.5 kg (Clemen)
SVHC	Exempt
Guarantee*	Up 35 years, depending on the external environment

\* Guarantee terms and conditions are available on our website [industry.arcelormittal.com](http://industry.arcelormittal.com)

- Textured matt finish
- Long life time, up to 35 year guarantee
- Excellent formability
- Extensive colour range with unmatched UV resistance



## Unique aesthetics and colours

Granite® Storm's high performing paint system provides an exceptional level of UV resistance (RUV5 category). This unmatched performance for matt colours gives the roof the colour stability over time it needs.

Granite® Storm is produced at a number of European sites and well adapted for use in all European climates.

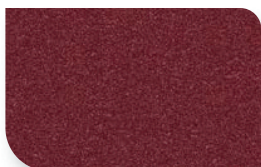
## Textured colours (fine or rough)

ArcelorMittal's Granite® Storm range of coated steels is available in textured colours. The wide colour palette matches the aesthetics seen on traditional roofs, and harmonises with urban or rural environments. Further colours are available upon request.

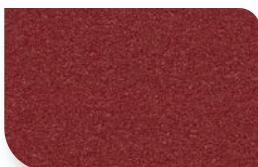
guarantee **35** years\*

\* may vary depending on the environment

D305X  
Wine  
red



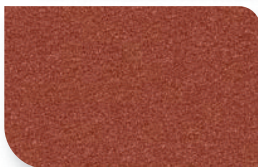
D309X  
Oxide  
red



D311X  
Brown  
red



D804X  
Copper  
brown



D817X  
Chocolate  
brown



D819X  
Grey  
brown



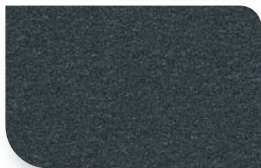
D605X  
Moss  
green



D620X  
Chrome  
green



D716X  
Anthracite  
grey



D724X  
Graphite  
grey



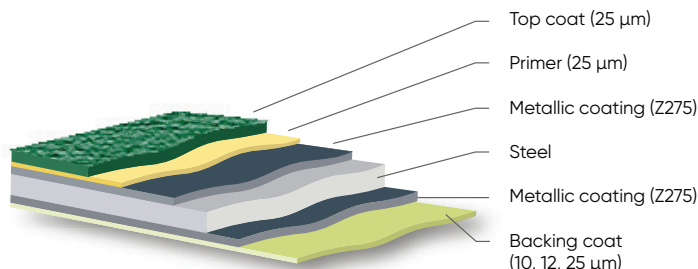
D905X  
Jet  
black



## The best solution for solar roofs

The textured surface of Granite® Storm has a double advantage for a roof supporting photovoltaic panels: reduction of slipping risk and better resistance to scratches. It provides improved safety to the workers during installation and yearly maintenance. Granite® Storm is the only product to combine a rough surface texture and a guarantee period aligned with the life time of the PV panels.

Its fire behaviour classification A1 (EN 13501-1) is also recommended for photovoltaic roofs.



## Designed for environmentally responsible building

Granite® Storm benefits from the recyclability of steel, in addition to a paint which respects the environment.

# XCarb®

**Towards carbon neutral steel**

ArcelorMittal Europe is committed to reducing its CO<sub>2</sub> emissions by 35% in 2030, and to be carbon-neutral in 2050. To achieve this, we have launched an ambitious plan of investments and created an umbrella brand: XCarb®. In 2022, we began to offer a range of low-CO<sub>2</sub> footprint steel grades known as XCarb® recycled and renewably produced. We also enable our customers to report an equivalent reduction in their Scope 3 emissions in the form of XCarb® green steel certificates. More about XCarb®: [europe.arcelormittal.com/sustainability/xcarb/xcarb-introduction](https://europe.arcelormittal.com/sustainability/xcarb/xcarb-introduction)

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Philippe Vandenameele

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