


TECHNICAL PRODUCT SPECIFICATION IN CONFORMITY TO LEED NC 4.0

COLLECTION: **ASTRUM T\_20**

OBJECTIVES	REQUISITES	SUPERGRES PRODUCTS	CREDITS
<b>SUSTAINABLE SITES (SS)</b>			
To reduce the influence of the heat island effect on the microclimate and natural habitats to the absolute minimum.	Heat island effect reduction	The light-colored tiles of the Supergres range, used in outdoor areas, help reduce the heat island effect (the thermal gradient difference between urban and suburban areas) to minimize the impact on the microclimate. All thanks to the high values of solar reflectance coefficient of Supergres SRI products.	1
<b>MATERIALS AND RESOURCES (MR)</b>			
Commit to using products and materials with low environmental, economic and social impact and for which information is available on the entire life cycle.	Certified EPD available. EPD can be thought of as a virtual identity card for products and describes their impact on the environment during all stages of the life cycle: from extraction of raw materials to their disposal.	Supergres has an EPD certified by an independent external body	1
	Certified PEF available. PEF (Product Environmental Footprint) is a declaration of environmental sustainability introduced and supported by the European Union.	Ceramics Supergres was one of the first companies in Europe to adopt a PEF certification.	1
	Raw materials. Transparency throughout the extraction phase of raw materials.	The raw materials used in the production of Supergres tiles have information (certified by an external body) regarding the place of origin and extraction and the commitment to the reduction of the environmental impact.	1
	Content of recycled material. 	These products contain more than 20% (all tile colors) pre-consumer recycled material content and has the goal of reducing its impact on the environment by minimizing the extraction and manufacturing of raw materials.	max 1
<b>INNOVATION IN DESIGN (ID)</b>			
Developing products with innovative features in complete respect of the environment.	Transparency and optimization.	A HPD (Health Product Declaration), a complete report compiled according to the HPD Standard, is available for all Supergres products. Supergres provides the mapping of the composition of its products, in accordance with REACH directive. Compliance with the directive is certified by an independent external body.	2
<b>INDOOR ENVIRONMENTAL QUALITY (IEQ)</b>			
Reduce the concentration of chemical contaminants that might affect air quality and the environment.	Use of materials with low emissions.	Supergres products do not release any volatile organic substances (VOC) into the environment.	1

**Environmental performances**

- ◆ 100% reuse of unfired tiles
- ◆ 100% recycling of the industrial waste – fired tiles
- ◆ 100% water recycling
- ◆ Methane consumption are highly reduced
- ◆ Low emissions in the atmosphere
- ◆ 100% recyclable packing materials
- ◆ FAO pallets ( IPPC/FAO ISPM 15 )