

PHOTOVOLTAIC FAÇADE

NEW CONSTRUCTION

The Sea Towers complex in the 22@ district of Barcelona stands as the third building in Spain to achieve the esteemed **LEED Platinum certification**.

This recognition stems from its sustainable and innovative design, leveraging green technologies like photovoltaic glass. These towers boast remarkable energy efficiency, **achieving a 52% energy saving**.

Onyx Solar's solar PV glass adorns the curtain wall of the Sea Towers, comprising 1,520 m² of **amorphous**

silicon photovoltaic glass customized in various dimensions.

Each insulating glass unit incorporates a **12 mm air chamber, enhancing the building's thermal and acoustic insulation**.

In addition the PV glass manufactured allows the entrance of a good amount of **natural light and filter harmful radiation** to maximize the comfort inside the building.

Situated in the heart of Barcelona's 22@ district, a prominent technological and digital hub, the Sea Towers underscore the city's position as a significant global tech destination.

TECHNICAL DATA

Nominal Power (Wp/m ²)	34 Wp/m ²
Visible Light Transmittance (VLT)	20%
Solar Factor (g-value)	32%
U value (W/m ² K)	1.30
U value (Btu/h ft ² °F)	0,23
Light Reflection (external)	8%



SEA TOWERS

BARCELONA, SPAIN

FAÇADE

AMORPHOUS SILICON TECHNOLOGY



BACK TO START

