

## SKYWALL NOISE BARRIER

The tall iNFRA Skywall is a transparent wind and noise barrier screen of up to 35 meters in height, developed to enable sustainable urban development even in noise-exposed areas. The structure effectively protects residents and businesses along busy transport routes, while maintaining light transmission and openness.

The solution is particularly well suited for dense urban environments where the need for high wind and noise barriers between buildings is increasing, enabling modern urban development with protected courtyards and attractive outdoor environments.

### A solution for future urban spaces

- Height up to 35 meters
- Robust structure designed to accommodate movement
- Fixed or flexible connection to adjacent façades
- Hard-coated polycarbonate, 300 times stronger than glass
- Half the weight of glass
- Effective shielding in complex interstitial environments
- Safe, weather- and noise-protected courtyards

### Design and installation

Skywall is designed to withstand strong wind loads. The structure is supported by heavy-duty truss columns mounted in the ground or anchored to building façades. Both solutions provide stability and flexibility in exposed conditions.

To resist corrosion in salt-saturated and water-adjacent environments, the steel structure can be both hot-dip galvanized and wet painted.

The screen elements consist of 12 mm specially coated polycarbonate – a vandal-resistant and durable alternative to glass, eliminating the risk of glass breakage.

The polycarbonate panels can be supplied with screen-printed patterns. They are also equipped with a UV protective coating, providing an estimated service life of over 50 years.

### We provide engineering support

Involve us early in the concept stage. Our designers will prepare drawings and propose functional solutions. We are happy to submit bids for complete projects: Design, materials, and installation.

TECHNICAL SPECIFICATIONS SKYWALL	
Total maximum height	35 meters
Maximum bay width	2000 mm
Maximum bay height	6000 mm
Polycarbonate	12 mm, 15 mm
Steel structure	Project-specific
Fixings	Project-specific
Options	Screen print

