

NOISE BARRIER iNFRA P150

With 83% recycled material, 100% recyclability and a service life of more than 50 years, P150 is the environmentally responsible choice for the noise barriers of the future.

The iNFRA P150 noise barrier consists of 150 mm high stackable elements with an outer shell made from recycled PVC and a sound-absorbing mineral wool core. The elements are stacked between hot-dip galvanized HEA posts to the required height. To provide additional strength and stability, selected elements are also fitted with internal reinforcing steel profiles. For optimum noise reduction, the barrier is constructed using slotted sound-absorbing sections.

- Low CO₂ footprint – 83% recycled PVC
- Lower cost than timber noise barriers
- Adaptable length and height
- Available in several colours and can also be combined with transparent sections
- Can be fitted with wires or mesh for climbing plants
- Long service life – Weather- and UV-resistant; will not rot, rust or corrode
- Lightweight – Fast installation
- Minimal maintenance – No painting required and graffiti is easy to remove

Draft regulatory text

"Noise barrier shall be CE marked and constructed from UV-resistant PVC elements containing a minimum of 80% recycled material, type HMG iNFRA P150 or equivalent, installed between hot-dip galvanized HEA posts."

TEKNISK SPECIFIKATION INFRA P150		
P150 element height	151,6 mm	
P150 element thickness	68,6 mm	
P150 element length	2–7 m	
Maximum barrier height	9 m	
P150 element dry weight	22 kg/m ²	
P150 RAL colours	1013, 1015, 6019, 7047, 9001, 9002, 9003, 9010, 9016, 9018	
Post system	Hot-dip galvanized HEA posts. Designed according to wind, snow and seismic loads.	
ACOUSTIC PROPERTIES		
Noise absorption	EN 1793-1	13 dB DL _α
Noise insulation	EN 1793-2	28 dB DL _R
Air sound insulation in-situ	EN 1793-5	4 dB DL _{Ri}
MECHANICAL PROPERTIES		
Resistance to fire	EN 1794-2	Class 1
Risk of falling objects	EN 1794-2	Class 2
Stone impact	EN 1794-1	Approved
Service life	EN 14389-2	50+ years
ENVIRONMENTAL IMPACT		
100% recyclable. Manufactured from 83% recycled PVC.		

