

## **Roads, parking lots, squares, bike paths in Biostrasse**

Biostrasse technology is particularly suitable for the construction of any type of road paving. This is demonstrated by different works carried out over the years within urban areas, areas restricted by landscape laws, SIC areas, towpaths of rivers. The main technical and functional features of Biostrasse are highlighted in this document.

- Totally ecocompatible as shown by the certificate on the sale test
- Contains no resins or any other hydrocarbons derivatives
- Recyclable
- Fire retardant with flame-retardant properties
- Draining with a percentage of internal voids of about 20% established in the planning of the mix design, thus avoiding the formation of the aquaplaning effect. Water in the winter period finds spaces to grow in volume without creating damage to the screed. Prevents hydraulic and hydrogeological risk due to soil sealing. The draining property of the screed prevents the risk of falls for cyclists in case of rain.
- The internal voids allow the passage of air and therefore a more rapid melting of snow and ice
- Sound-absorbing
- Guaranteed with a minimum of 20 Mpa for compression
- Completely stable to the use of de-icing salts
- Particularly resistant to freezing and thawing cycles
- It does not require particular maintenance plans and its life cycle is longer than asphalt pavements and other materials on the market
- It is not subject to forming tracks, depressions, swellings, cracks and fragmentation and it does not suffer damage caused by the traction of vehicles
- It is laid cold, with a paver and / or by hand without rolling
- Possibility of laying on existing paving in bituminous conglomerate or concrete
- Does not require electrically welded meshes
- It is installed with gradients up to 25%
- The porosity of the flooring offers more grip and therefore greater safety for the user in the event of braking
- Athermal: it does not accumulate and does not propagate heat, preserving the local microclimate against the greenhouse effect
- In conjunction with Bioland "draining" technology as a foundation layer, replaces the traditional screed.
- In combination with Bioland technology prevents damage caused by the roots of plants on the road surface and is also used for repairs on the asphalt surface raised from the roots after an adequate assessment of stability of the plant and the root system