

TEKTATMSURE

HDPE HYGIENIC PROTECTORS

- Prevent damage from vehicles and trolleys
- Impact-proof to reduce maintenance costs
- Can be washed down and hygienic finish helps prevent growth of fungi or bacteria
- Hi-visibility and don't require painting

Applications:

Jamb protection
 Walling protection
 Guardrails
 Vehicle barriers
 Food factories
 Hygiene areas



The TektaSure range of hygienic and impact resistant bollards and guardrails provides an excellent solution to prevent damage in hygiene areas. Constructed from high-density polyethylene (HDPE); the guardrails have been tested to withstand over 9 tonnes and also feature a unique anchorage system which helps prevent floor damage and reduce maintenance costs.

These barriers and bollards are constructed from solid high-density polyethylene which has been tested to DIN EN ISO 179. The products are designed to be suitable for use in temperatures ranging from -100°C to +80°C. The yellow finish provides high visibility and does not corrode or require any painting, even in environments with acids or solvents.

TektaSure HDPE barriers can be supplied to suit the application in a variety of sizes and forms including: bollards, guardrails, and pedestrian guardrails. A unique floor anchorage system is utilised which protects the floor from damage and allows very cheap and simple repair in the event of serious impact.

HDPE is recognised as a food-safe product and the bollards/barriers are constructed with the minimum of edges or corners where dirt could collect. A tight seal to the floor is achieved with the use of a neoprene seal. The barriers are also designed to be completely removed and washed down if required, offering the ultimate hygiene performance.

HDPE HYGIENIC PROTECTION BOLLARDS & GUARDRAILS

TEKTASure HDPE bollards and guardrails are an innovative protection solution for hygiene areas. Offering a food-safe and hygienic finish combined with impact resistance, they are a low-maintenance solution



| Function | Standard | Optional |
|---|--|--|
| Construction Options | Bollard Guardrail | Double Guardrail Personnel Guardrail |
| Dimensions (Bollard) | 100mm diameter x 430mm high | 70mm diameter x 262mm high; 100mm diameter x 530mm high; 120mm diameter x 800mm high |
| Dimensions (Guardrail) | 100mm diameter x 150mm high | 70mm diameter x 125mm high; 120mm diameter x 175mm high |
| Dimensions (Double Guardrail) | 100mm diameter x 300mm high | 70mm diameter x 230mm high; 120mm diameter x 340mm high |
| Dimensions (Personnel Guardrail) | 70/120mm diameter x 800mm high | 70/120mm diameter x 500mm high; 70/120mm diameter x 1000mm high; 70/120mm diameter x 1100mm high |
| NB. All guardrails are available in four lengths: 500mm; 1000mm; 1500mm; 2000mm | | |
| Colours | Yellow with blue cap | Special colours available on request |
| Fixing system | Replaceable anchorage system which prevents damage to the floor, utilising a replaceable steel rod | |
| Fixing requirements | Min. 36mm diameter x 120mm depth fixing hole | Max. 68mm diameter x 170mm depth fixing hole |
| Seals | Top cap, neoprene seal to floor finish | |
| Maintenance | Wash-down as per client's hygiene procedures. No painting required | Product is removable for deep-clean purposes. |
| HMW-PE Material Technical Specifications: | | |
| Construction | Solid block with central core for fixing | |
| Operating temperature | -100°C - +80°C | |
| Density ISO 1183 | 0.95 g/cm ³ | |
| Yield stress EN ISO 527 | 28 N/mm ² | |
| Elongation yield EN ISO 527 | +8 % | |
| Length of breakage | 300 % | |
| Tensile-E-modulus EN ISO 527 | 850 MPa | |
| Impact strength EN ISO 179 | NO BREAK | |
| Notched impact strength EN ISO 179 | 50 KJ/m ² | |
| Ball identification hardness EN ISO 2039-1 | 45 N/mm ² | |
| Shore hardness ISO 868 | 66 shore | |
| Thermal conductivity DIN 52612 | 0.38 W/M ² K | |
| Dielectric strength VDE 0303-21 | 44 KV/mm | |
| Surface resistance DIN IEC 167 | 10 Ohm | |
| Chemical resistance | High resistance to acid, alkali and solvent | |
| Physiologically acceptable | Yes | |
| Welding | Yes | |
| Hot forming | Possible | |