## TEKTASURE

## 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 polythylene 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.



## **TEKTA** SURE

## 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



Dimensions (Personnel Guardrail)     70/120mm diameter x 800mm high 70/120mm diameter x 1000mm high 70/120mm diameter x 1100mm high 70/120mm diameter x 120mm high 70/120mm diamet	Function	Standard	Optional	
Dimensions (Bollard)         100mm diameter x 430mm high; 120mm diameter x 800mm high; 120mm diameter x 125mm high; 120mm diameter x 340mm high           Dimensions (Double Guardrail)         100mm diameter x 300mm high         70/120mm diameter x 340mm high; 120mm diameter x 100mm high	Construction Options			
Dimensions (Guardrail)  Dimensions (Double Guardrail)  Dimensions (Double Guardrail)  Dimensions (Personnel Guardrail)  Dimensions (Personnel Guardrail)  Dimensions (Personnel Guardrail)  NB. All guardrails are available in four lengths: 500mm; 1000mm; 1500mm; 200mm  Colours  Yellow with blue cap  Replaceable anchorage system which prevents damage to the floor, utilising a replaceable steel rod  Fixing system  Replaceable steel rod  Min. 36mm diameter x 120mm 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-clea purposes.  HMW-PE Material Technical Specifications:  Construction  Solid block with central core for fixing  Operating temperature	Dimensions (Bollard)	100mm diameter x 430mm high	100mm diameter x 530mm high;	
Dimensions (Personnel Guardrail)  Pimensions (Personnel Guardrail)  To/120mm diameter x 800mm high To/120mm diameter x 500mm high To/120mm diameter x 500mm high To/120mm diameter x 1000mm high To/120mm diameter x 1000mm high To/120mm diameter x 1100mm high To/120mm diameter x 100mm To/120md To/120mm To/120mm diameter x 100mm To/1	Dimensions (Guardrail)	100mm diameter x 150mm high	,	
Dimensions (Personnel Guardrail)     70/120mm diameter x 800mm high 70/120mm diameter x 1000mm high 70/120mm diameter x 1100mm high 70/120mm diameter x 120mm high 70/120mm diamet	Dimensions (Double Guardrail)	100mm diameter x 300mm high		
Colours       Yellow with blue cap       Special colours available on request a 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 deptixing hole         Seals       Top cap, neoprene seal to floor finish       Max. 68mm diameter x 170mm deptixing hole         Maintenance       Wash-down as per client's hygiene procedures. No painting required       Product is removable for deep-clear purposes.         HMW-PE Material Technical Specifications:       Construction       Solid block with central core for fixing         Operating temperature       -100°C - +80°C       Operating temperature         Density ISO 1183       0.95 g/cm3       Operating temperature       Operati	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	
Replaceable anchorage system which prevents damage to the floor, utilising a replaceable steel rod  Min. 36mm diameter x 120mm depth fixing hole  Seals Top cap, neoprene seal to floor finish  Maintenance Wash-down as per client's hygiene procedures. No painting required Procedures. No painting required  Max. 68mm diameter x 170mm depth fixing hole  Product is removable for deep-clear purposes.  Product is removable for deep-clear 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/cm3 Yield stress EN ISO 527 28 N/mm2 Elongation yield EN ISO 527 48 % 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 Sol KJ/m2 Ball identification hardness EN ISO 2039-1 Shore hardness ISO 868 66 shore Thermal conductivity DIN 52612 0.38 W/M2K Dielectric strength VDE 0303-21 44 KV/mm Surface resistance DIN IEC 167 10 Ohm Chemical resistance High resistance to acid, alkali and solvent	NB. All guardrails are available in four lengths: 500mm; 1000mm; 1500mm; 2000mm			
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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/cm3  Yield stress EN ISO 527 28 N/mm2  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/m2  Ball identification hardness EN ISO 2039-1 45 N/mm2  Shore hardness ISO 868 66 shore  Thermal conductivity DIN 52612 0.38 W/M2K  Dielectric strength VDE 0303-21 44 KV/mm  Chemical resistance High resistance to acid, alkali and solvent	Seals	Top cap, neoprene seal to floor finish		
Construction       Solid block with central core for fixing         Operating temperature       -100°C - +80°C         Density ISO 1183       0.95 g/cm3         Yield stress EN ISO 527       28 N/mm2         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/m2         Ball identification hardness EN ISO 2039-1       45 N/mm2         Shore hardness ISO 868       66 shore         Thermal conductivity DIN 52612       0.38 W/M2K         Dielectric strength VDE 0303-21       44 KV/mm         Surface resistance DIN IEC 167       10 Ohm         Chemical resistance       High resistance to acid, alkali and solvent	Maintenance		Product is removable for deep-clean purposes.	
Operating temperature         -100°C - +80°C           Density ISO 1183         0.95 g/cm3           Yield stress EN ISO 527         28 N/mm2           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/m2           Ball identification hardness EN ISO 2039-1         45 N/mm2           Shore hardness ISO 868         66 shore           Thermal conductivity DIN 52612         0.38 W/M2K           Dielectric strength VDE 0303-21         44 KV/mm           Surface resistance DIN IEC 167         10 Ohm           Chemical resistance         High resistance to acid, alkali and solvent	HMW-PE Material Technical Specifications:			
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Yield stress EN ISO 527         28 N/mm2           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/m2           Ball identification hardness EN ISO 2039-1         45 N/mm2           Shore hardness ISO 868         66 shore           Thermal conductivity DIN 52612         0.38 W/M2K           Dielectric strength VDE 0303-21         44 KV/mm           Surface resistance DIN IEC 167         10 Ohm           Chemical resistance         High resistance to acid, alkali and solvent	Operating temperature	-100°C - +80°C		
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Tensile-E-modulus EN ISO 527         850 MPa           Impact strength EN ISO 179         NO BREAK           Notched impact strength EN ISO 179         50 KJ/m2           Ball identification hardness EN ISO 2039-1         45 N/mm2           Shore hardness ISO 868         66 shore           Thermal conductivity DIN 52612         0.38 W/M2K           Dielectric strength VDE 0303-21         44 KV/mm           Surface resistance DIN IEC 167         10 Ohm           Chemical resistance         High resistance to acid, alkali and solvent	Elongation yield EN ISO 527	+8 %		
Impact strength EN ISO 179  NO BREAK  Notched impact strength EN ISO 179  50 KJ/m2  Ball identification hardness EN ISO 2039-1  45 N/mm2  Shore hardness ISO 868  66 shore  Thermal conductivity DIN 52612  0.38 W/M2K  Dielectric strength VDE 0303-21  44 KV/mm  Surface resistance DIN IEC 167  10 Ohm  High resistance to acid, alkali and solvent	Length of breakage	300 %		
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	Surface resistance DIN IEC 167	10 Ohm		
Bhysiologically acceptable Voc	Chemical resistance	High resistance to acid, alkali and solvent		
riysiologically acceptable 165	Physiologically acceptable	Yes		
Welding Yes	Welding	Yes		
Hot forming Possible	Hot forming	Possible		