



Polybar P-Plinth – Technical Product Datasheet

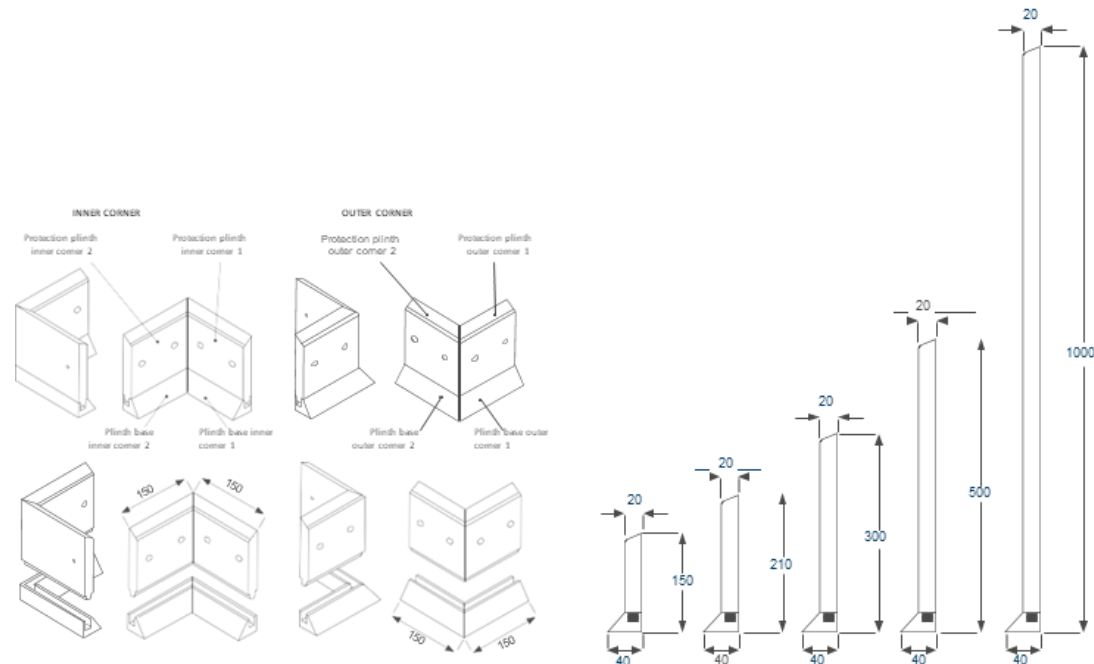
Manufactured from a robust synthetic polymer technology, the P-Plinth is a two piece protective plinth for protection at the base of building corners, columns and walls

Product Description

Supplied in 2 meter lengths and available in various heights, the P-Plinth is easy to install. Its superior impact resistance makes it ideal for high traffic areas.

Product Dimensions

Parameter	Measurement
Standard Length	2000mm
Height	1000mm, 500mm, 300mm, 210mm and 150mm
Base thickness (+/- 1mm)	40mm
Plinth thickness (+/-1mm)	20mm
Density	0.91g/cm ³
Breaking elongation	70%
Impact resistance	7
Shore Hardness	72
Chemical resistance - acids / alkalis	Excellent



Material Properties

Test	Results
Density (g/cm ³) - ISO 1183	0.95
Yield Stress (N/mm ²) - DIN EN ISO 527	28
Elongation Resistance (%) - DIN EN ISO 527	8
Elongation at Break (%)	300
Tensile E Modulus (MPa) - DIN EN ISO 527	850
Impact Strength (kJ/m ²) - DIN EN ISO 179	Without break
Notched Impact Strength (kJ/m ²) - DIN EN ISO 179	50
Ball Indentation Hardness (N/mm ²) - DIN EN ISO 2039-1	45
Shore Hardness (N/mm ²) - D ISO 868	66
Average Thermal Coefficient of Elongation (K-1) - DIN 53752	1'8 . 10-4
Thermal Conductivity (W/m.K) - DIN 52612	0.38
Dielectric Strength (kV/mm) - VDE 0303-21	44
Surface Resistance (Ohm) - DIN IEC 167	1014
Temperature Range (°C)	-100 to +80
Chemical Resistance (Acids, Alkalis and Solvents)	High
Physiologically Acceptable	Yes
Welding	Yes
Hot Forming	Possible
Colour	White (RAL 9016)

Shipping / Freight

Fully timber crated packs are available on projects requiring delivery by sea freight shipping. Offloading & installation (unless agreed otherwise) is the responsibility of the customer.

Polybar supplies internationally. Please contact Polybar for lead times to specific locations.

Further Information:

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