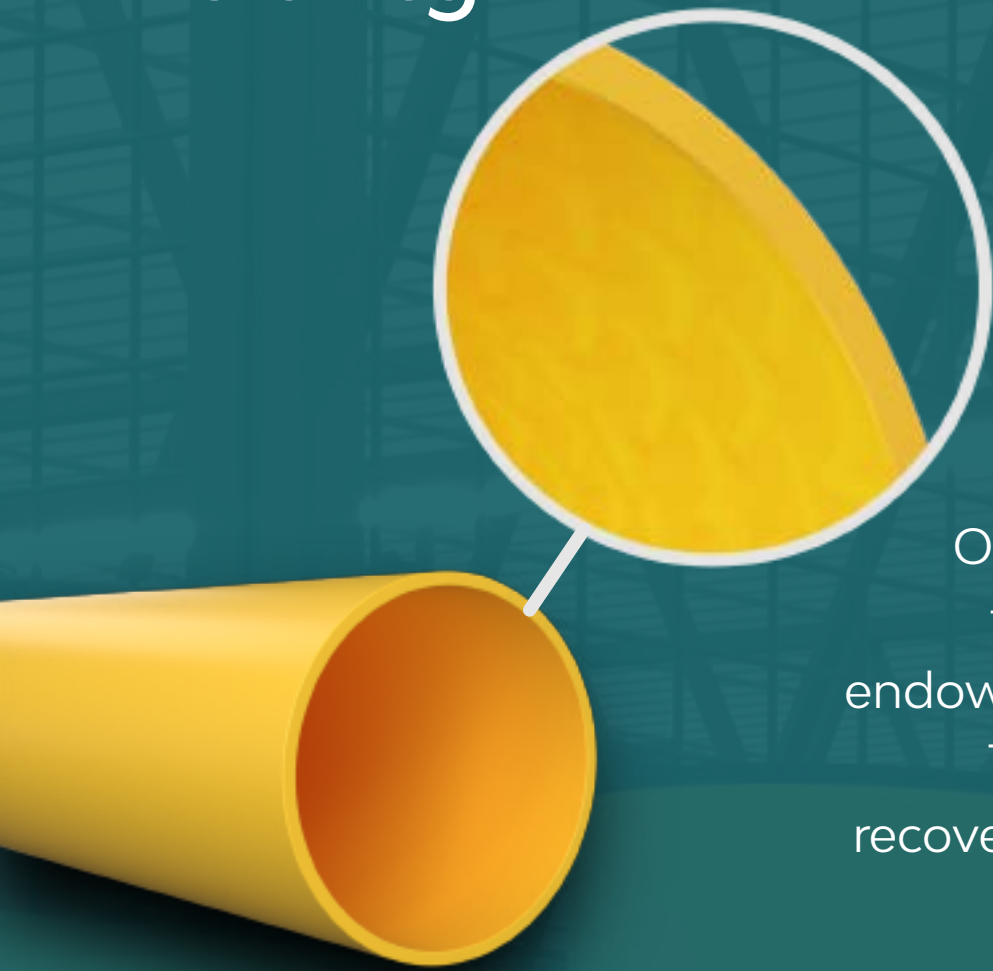




3R BARRIER

With its easy-to-assemble design, this barrier is perfect for protecting structures, goods, and machinery from high-level vehicle impacts in indoor and outdoor areas with carrying and loading traffic. Ideal for parks, ramps, and open edges, it also defines and organises spaces while ensuring lasting durability. Built to withstand continuous impacts, it minimises maintenance needs, saving both time and costs.





Experience unparalleled strength with our advanced polymer, crafted from a premium blend of sophisticated polyolefins and rubber additives. This exclusive composition delivers unmatched durability and flexibility. Our cutting-edge engineering process reorients the molecular structure during manufacturing, endowing the barrier with a unique built-in memory. This innovative feature ensures that the barrier recovers completely after impacts, maintaining peak performance and reliability.

STRONG AND LIGHTWEIGHT

Thanks to its unique chemical formula, our barrier surpasses steel barriers in both strength and weight. It is significantly lighter while maintaining its exceptional durability.

MODULAR

Thanks to its modular design, our barrier effortlessly adapts to the changing needs of your facility. This flexible solution is extremely easy to install, assemble, disassemble, relocate and organise.

NO CORROSION

Unlike steel barriers, our barriers are made of durable polymer materials, making them unaffected by environmental elements such as sunlight and rainwater.

NO PAINT AND MAINTENANCE NEEDED

Unlike traditional steel barriers that require regular painting and maintenance, our self-colored structure eliminates the need for these processes. Even if the barrier is scratched due to an impact, its surface retains its original color without any change.

ULTRAVIOLET RESISTANT

Our barriers are designed with exceptional resistance to UV radiation. Their chemical structure remains intact even after prolonged outdoor use, ensuring long-term durability.

ANTIBACTERIAL

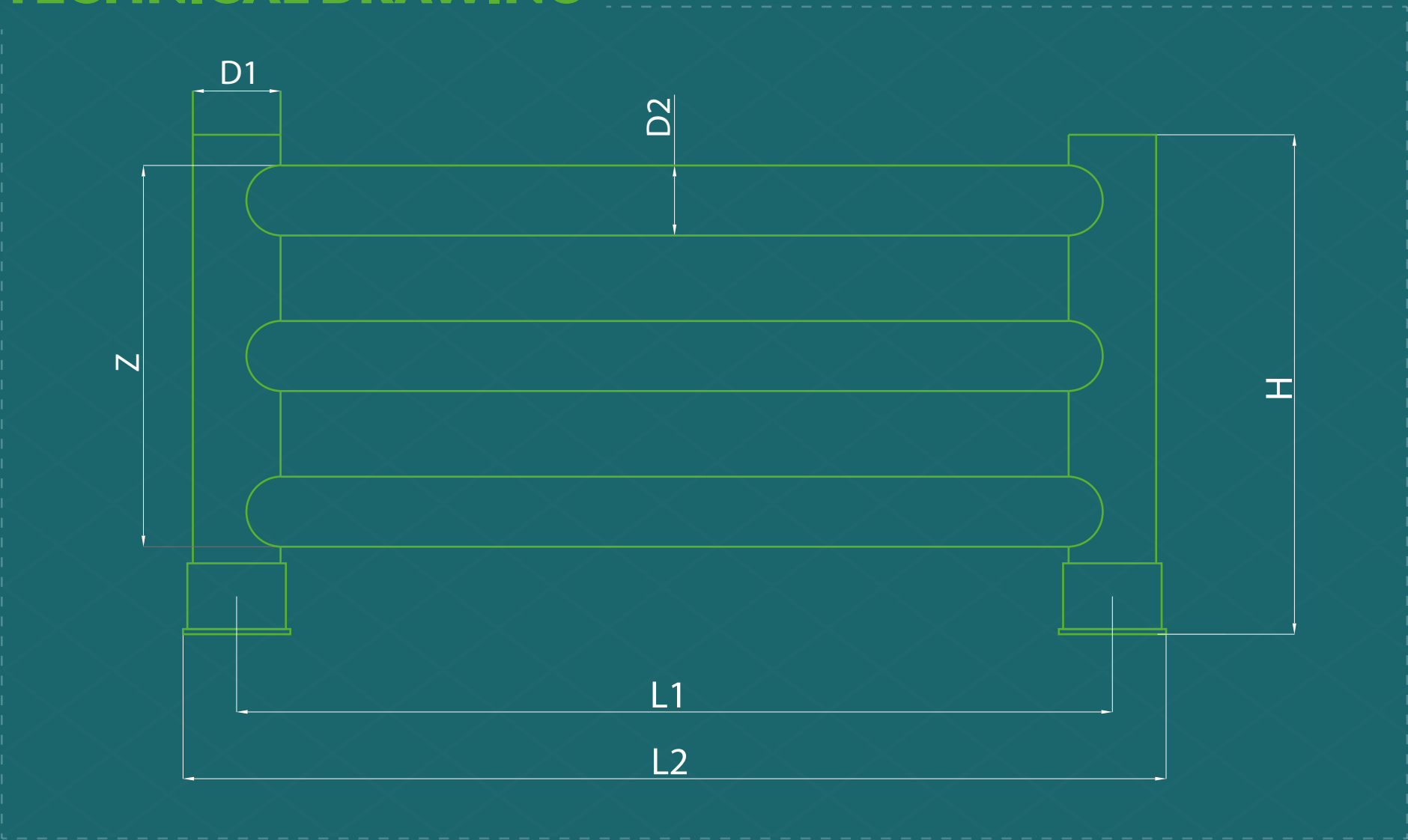
Our barriers have an exceptional chemical formula that prevents them from having any chemical reaction with the substances they come into contact with.



DELTA	Post Dimension [D1]	Post Height [H]	Rail Dimension [D2]	Rail Length Range [L1]	Barrier Length MAX [L2]	Impact Zone [Z]
	Ø200 mm	1100 mm	Ø160 mm	400 mm - 2700 mm	2900 mm	780 mm
ZETA	Post Dimension [D1]	Post Height [H]	Rail Dimension [D2]	Rail Length Range [L1]	Barrier Length MAX [L2]	Impact Zone [Z]
	Ø160 mm	1100 mm	Ø125 mm	320 mm - 2350 mm	2510 mm	775 mm



TECHNICAL DRAWING



STANDARD COLOURS

RAL 1018 PANTONE 123C	RAL 9005 PANTONE B6C
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*Please note that the RAL and PANTONE colours listed are the closest match to our standard barrier colours, but may not be exact matches of the actual product colour and should be used for guidance only.

FIXING REQUIREMENTS

ELECTROSTATIC PAINT

STAINLESS STEEL

GALVANIZE

Concrete Quality	Minimum C25/30
Concrete Floor Plate Thickness [mm]	Minimum 150 mm
Water and Humidity	Steel [standard]: Suitable for dry indoor use only. Galvanize : Can be used in most outdoor environments. Stainless Steel : Ideal for outdoor use or environments with frequent exposure to water and humidity.

SUITABLE APPLICATION

BUILDING AND EQUIPMENT SAFEGUARDS

CORRIDOR AND WALL DEFENSES

MACHINERY PROTECTION SOLUTIONS

IMPACT ENERGY DETAILS

45° IMPACT

DELTA	34,600 JOULE
ZETA	23,800 JOULE

90° IMPACT

DELTA	17,300 JOULE
ZETA	11,900 JOULE

SUITABLE FOR

LIGHTWEIGHT FORKLIFT

ELECTRIC STACKER

MANUAL PALLET

- 90° Impact on Mid Rail of Maximum Post Centres
- Results are Reflecting instantaneous Impact Values
- Does not Provide Resistance to Sharp Impacts



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At Clarity, we believe that safety should be seen, not assumed, and never be left to chance. From our beginnings in visual management to becoming a trusted leader in workplace safety solutions, our journey has always been driven by one goal – helping businesses create safer, more efficient environments. With every project, every partnership, and every safety innovation, we are guiding the way and protecting what matters.