

# RAYSAN

Flexible Barrier  
POLYGUARD  
PuffyGuard

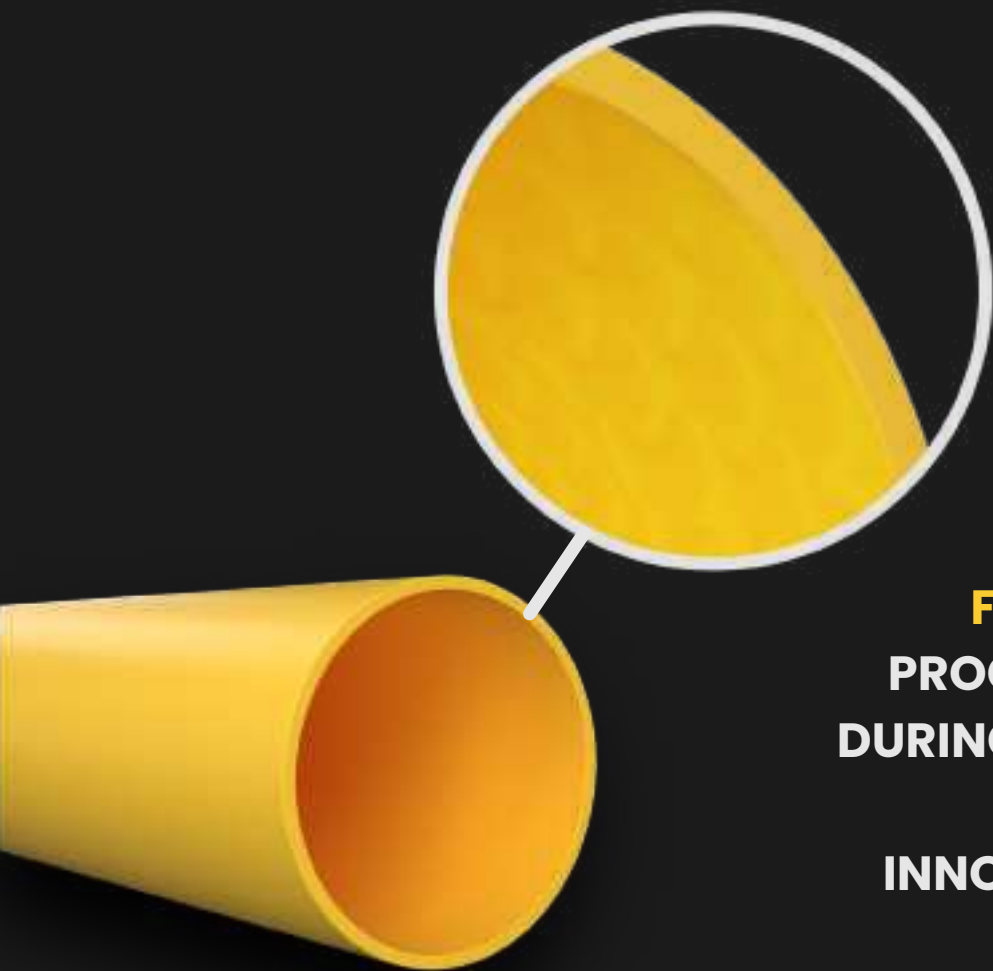
THINK  
FLEX-  
IBLE

## 3R PEDESTRIAN BARRIER

THE 3R PEDESTRIAN BARRIER IS DESIGNED TO CREATE A CLEAR SEPARATION BETWEEN PEDESTRIANS AND MOVING VEHICLES, ENSURING A SAFER WORKSPACE. SUITABLE FOR INDOOR AND OUTDOOR AREAS WITH LIGHT VEHICLE TRAFFIC, IT OFFERS DEPENDABLE PROTECTION AGAINST POTENTIAL HAZARDS. ITS STURDY, MODULAR DESIGN ALLOWS FOR QUICK INSTALLATION AND FLEXIBLE CONFIGURATION, MAKING IT AN IDEAL CHOICE FOR HIGH-TRAFFIC ENVIRONMENTS.







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 organize.

## 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 Raysan's 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

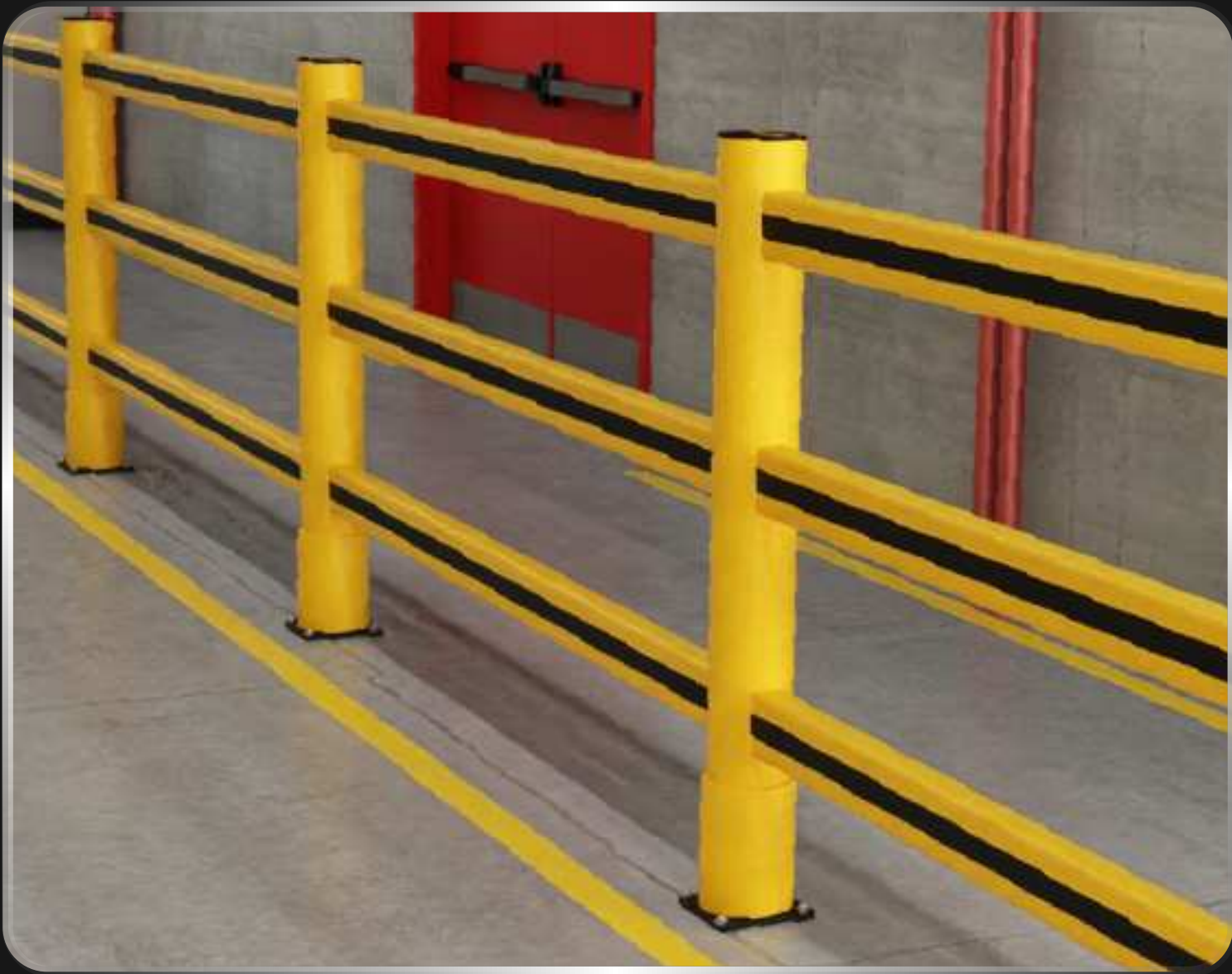
Our barriers are designed with exceptional resistance to UV radiation. Their chemical structure remains intact even after prolonged outdoor use, ensuring long-term durability.

## ANTIBACTERIAL

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







TETA

Post Dimension [D1]	Post Height [H]	Rail Dimension [D2]
Ø125 mm	1100 mm	50 x 100 mm
Rail Length Range [L1]	Barrier Length MAX [L2]	Impact Zone [Z]
800 mm - 2500 mm	2625 mm	780 mm

IMPACT ENERGY DETAILS



Pedestrian Barrier  
Ideal Load Condition

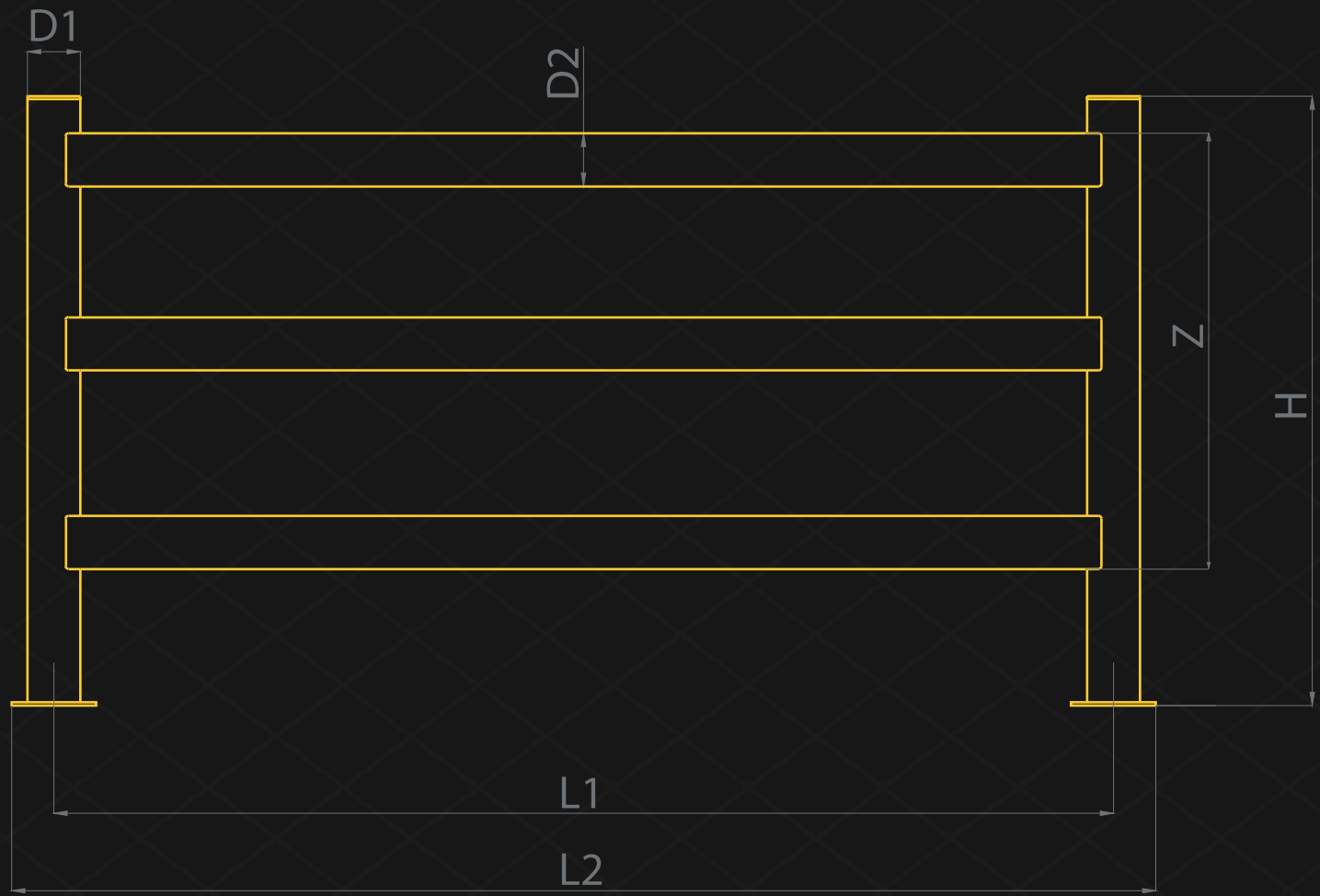
**WEIGHT OF TWO LEANING ADULTS**

(+/- 10kg)  
**180KG**

**TESTED LOAD**

**\*5,400 JOULE**

TECHNICAL DRAWING



FIXING REQUIREMENTS



ELECTROSTATIC PAINT



STAINLESS STEEL



GALVANIZE

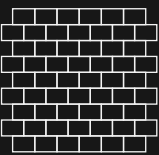
**PULL OUT FORCE**

**11,4KN**

GROUND

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

SUITABLE APPLICATION



CORRIDOR AND WALL DEFENSES



PEDESTRIAN SAFETY SOLUTIONS

STANDART COLORS

RAL 1018 PANTONE 123C

RAL 9005 PANTONE B6C

\*Please note that the RAL and PANTONE colours listed are the closest match to standard RAYSAN colours, but may not be exact matches of the actual product colour and should be used for guidance only.

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



Value Nature and People

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# RAYSAN

AS RAYSAN, WE ARE PROUD TO PIONEER THE FUTURE OF INDUSTRIAL SAFETY. WITH OUR STATE-OF-THE-ART FLEXIBLE PROTECTIVE BARRIERS AND SOLUTIONS, WE ARE AT THE FOREFRONT OF INNOVATION, PROTECTING WORKPLACES AROUND THE WORLD. OUR COMMITMENT TO EXCELLENCE AND UNWAVERING DEDICATION TO ADVANCING SAFETY STANDARDS HAS PROPELLED US TO THE TOP OF THE INDUSTRY.

# YOUR TRUSTED PARTNER