

# RAYSAN

Flexible Barrier  
POLYGUARD  
PuffyGuard

## 2R BARRIER HAND RAIL

OUR 2R HAND RAIL BARRIER IS DESIGNED TO MANAGE VEHICLE MOVEMENT WHILE ENSURING PEDESTRIAN SAFETY IN ENVIRONMENTS WITH MODERATE TRAFFIC IMPACT. SUITABLE FOR BOTH INDOOR AND OUTDOOR USE, IT ENHANCES SAFETY BY GUIDING TRAFFIC FLOW, PROTECTING WALKWAYS, AND MINIMIZING COLLISION RISKS. ITS STURDY, LOW-MAINTENANCE DESIGN ENSURES RELIABLE PERFORMANCE IN BUSY AREAS. WITH A MODULAR STRUCTURE, IT ALLOWS FOR QUICK INSTALLATION AND EASY CUSTOMIZATION TO FIT VARIOUS LAYOUTS AND SAFETY REQUIREMENTS.



## 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.

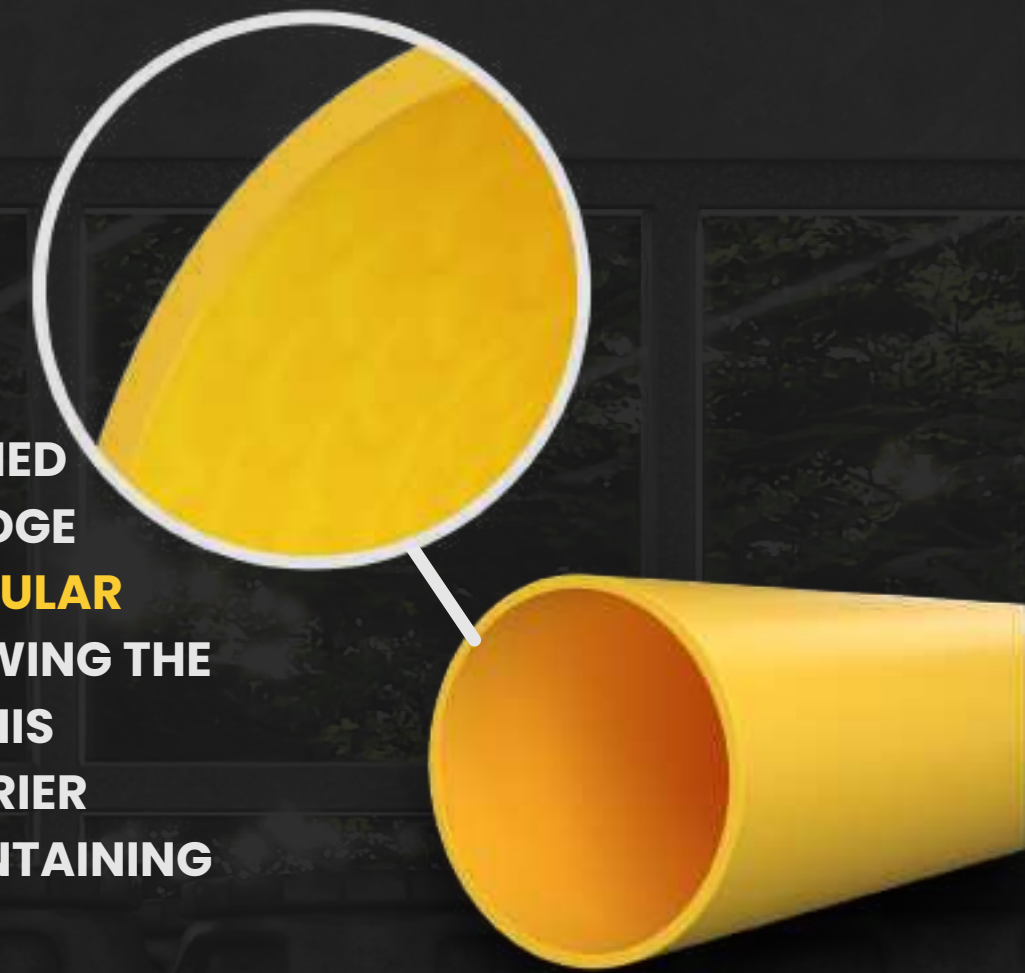
## ULTRAVIOLET RESISTANT

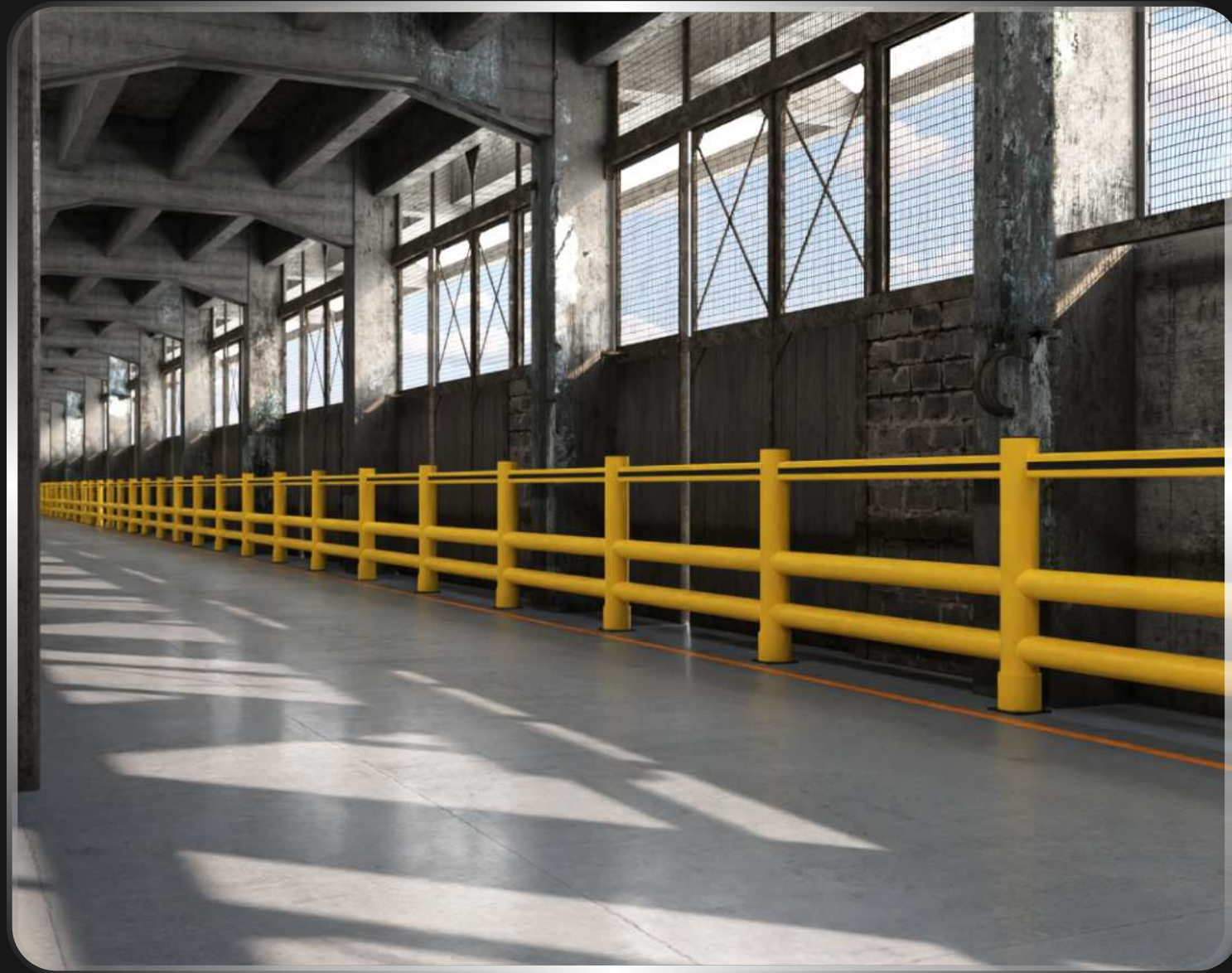
Our barriers are designed with exceptional resistance to UV radiation. Their chemical structure remains intact even after prolonged outdoor use, ensuring long-term durability.

## ANTIBACTERIAL

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

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**.





# ZETA

Post Dimension [D1]	Post Height [H]	Rail Dimension [D2]	Rail Dimension [D3]
Ø160 mm	1100 mm	Ø125 mm	50 x 100 mm
Rail Length Range [L1]	Barrier Length MAX [L2]	Impact Zone [Z]	
500 mm - 2300 mm	2460 mm	400 mm	

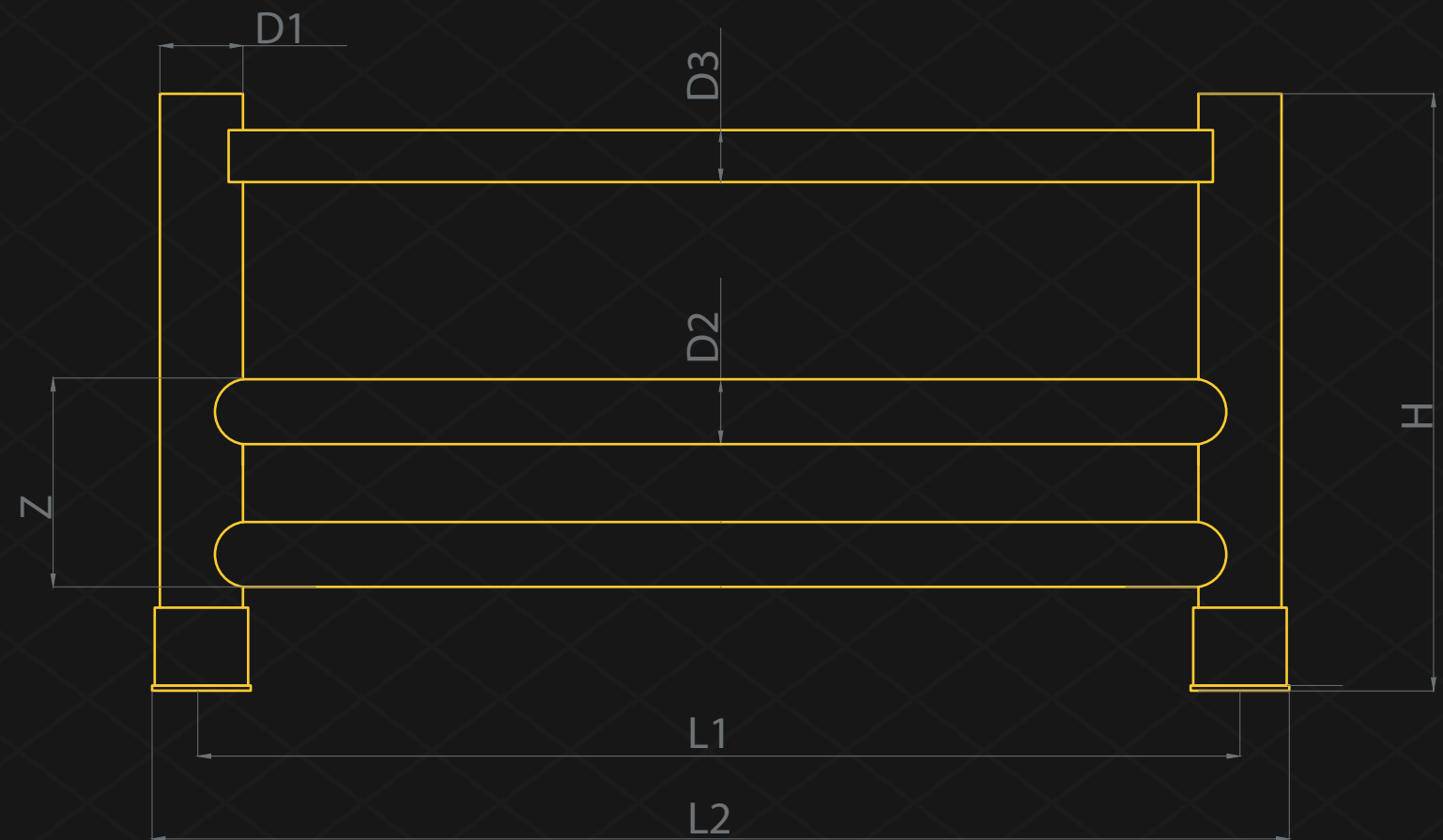
## IMPACT ENERGY DETAILS

### 90° IMPACT

ZETA 8,900 JOULE



## TECHNICAL DRAWING



## FIXING REQUIREMENTS

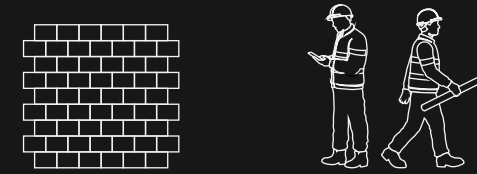
**ELECTROSTATIC PAINT**  
**STAINLESS STEEL**  
**GALVANIZE**

**PULL OUT FORCE**  
**16,4KN**

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**

## SUITABLE FOR



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

STANDART COLORS

RAL 1018 PANTONE 123C

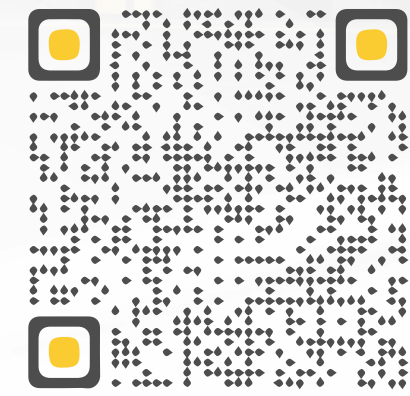
RAL 9005 PANTONE B6C

\*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.

RAYSAN

Flexible Barrier POLYGUARD

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TÜVNORD

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ISO 9001

tuev-nord.de

# 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