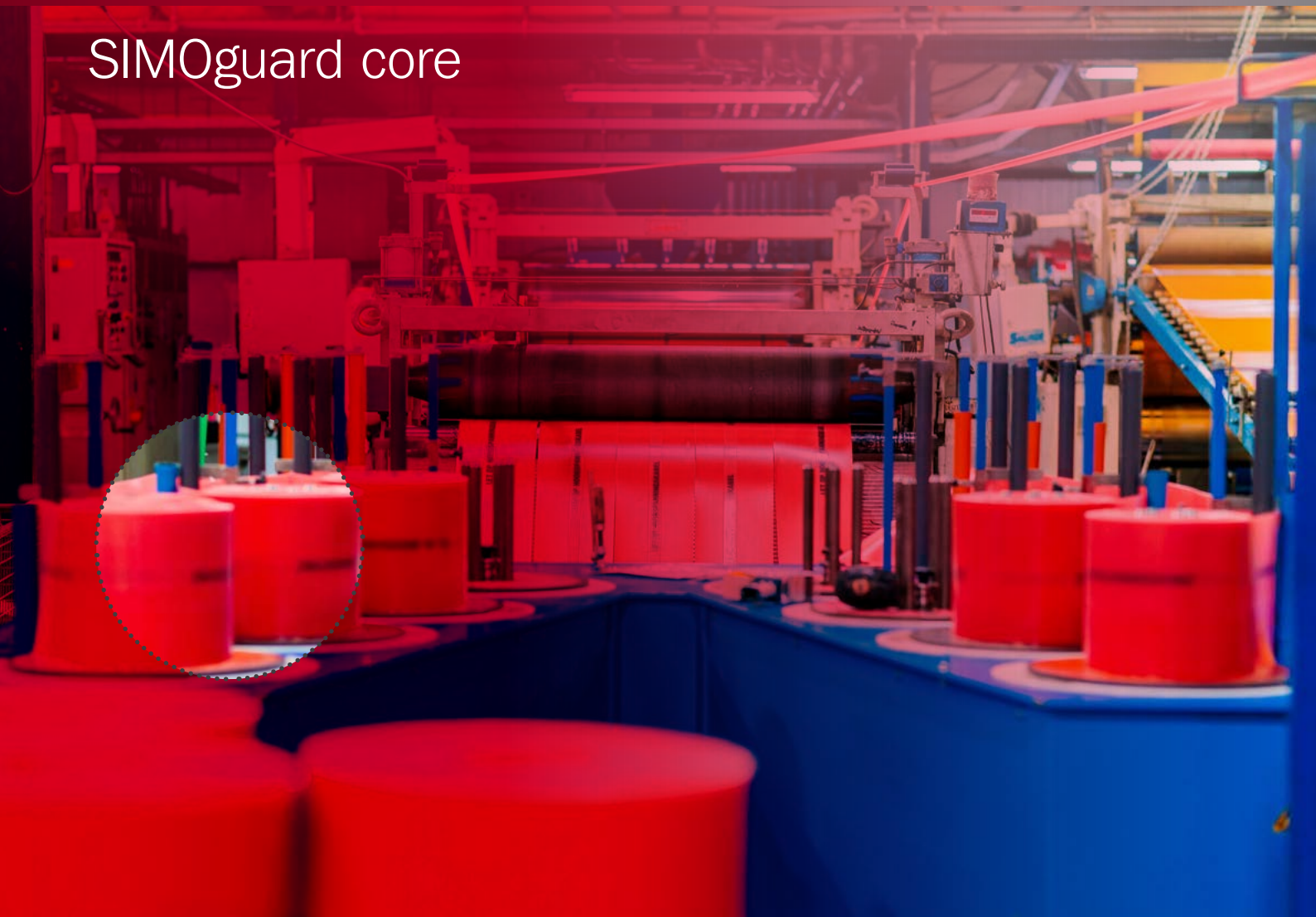




INFRASTRUCTURE

SIMONA[®] ELECTROPLAST

SIMOGuard core



SIMONA[®] ELECTROPLAST

FUTURE-PROOF AND SUSTAINABLE CABLE PROTECTION SOLUTIONS

SIMONA[®] Electroplast B.V. is a leading manufacturer of cable protection solutions based in Dordrecht, the Netherlands. Since our foundation in 1970, we have been developing sustainable products that ensure the safety of critical infrastructure.

Backed by a skilled team of more than 30 employees and strong manufacturing capabilities, we are recognized as a leading supplier of cable protection solutions in Europe. Our portfolio includes protection sheets & boards, pipes, cable markers, warning tapes and adjacent products, combining proven safety standards with innovative and sustainable material solutions.

Since 2025, we have been part of the SIMONA Group, one of the world's leading manufacturers of thermoplastic products. This partnership allows our customers to benefit from even greater innovation and an expanded product range.

OUR PRODUCTS STAND FOR:

- Reliable protection of cables and pipelines against mechanical impact, soil pressure, and heavy load stress
- Versatile applications for sectors such as Energy, Telecommunications, Rail, Road Infrastructure, Industry, Public Lighting, and Utility Construction
- Fast and flexible solutions, tailored to customer requirements, with short delivery times and transport options on drums or pallets
- Sustainable solutions, as the majority of our products are made from 100% recycled plastics without compromising on safety or compliance



SIMOGuard CORE



Reliable Identification & Damage Prevention

SIMOGuard core provides dependable, long-term protection for underground cables and pipes. Positioned above the cable route, they act as a visual and physical warning barrier during excavation and help prevent costly accidental damage. Designed for high visibility and long-lasting durability, they are a vital component of safe underground infrastructure.



Custom Formats for Every Application

We manufacture every product to your exact specifications, offering complete flexibility:

- Widths: 100 mm – 1,100 mm
- Thicknesses: 1.5 mm – 5 mm
- Colors: Standard in green or red; custom colors available on request
- Lengths: Delivered in rolls or drums for quick, efficient installation
- Optional Warning Text: High-contrast printing ensures clear visibility and lasting legibility underground



Sustainable, Durable, and Certified

- Made from 100% recycled polyethylene
- Resistant to soil pressure, moisture, and chemical exposure
- Compliant with key industry standards: EN 50520 & DIN 54841-5



Efficient Logistics and Easy Handling

To ensure seamless transport and use on-site, we deliver in formats optimized for ease and efficiency:

- Supplied in rolls or on drums
- Easy to unroll and position on-site



Your Benefits at a Glance

- Proven protection against excavation damage
- Long-lasting warning visibility
- Fast and low-cost installation
- Eco-friendly materials without compromising on quality
- Custom formats, colors & text
- Standards-compliant and project-ready



Protect underground networks with confidence.

SIMOGuard core offers a perfect balance of safety, sustainability, and performance – designed for the demands of modern infrastructure.

DATA SHEET SIMOguard CORE

Description	Standard	Unit	Value
Density	DIN EN ISO 1183	g/cm ³	0.92
MFR 190 °C / 2,16 kg	DIN EN ISO 1133	g/10 min	3.0
E-modulus	DIN EN ISO 527	MPa	260
Tensile strength	DIN EN ISO 527	MPa	13
Elongation at break	DIN EN ISO 527	%	380
Notched impact strength Charpy	DIN EN ISO 179-1eA	kJ/m ²	60
Shore Hardness	DIN EN ISO 868	Shore D	50
Moisture absorption			nihil
Linear expansion coefficient		mm/m/°C	0.15
K value (heat conductivity coefficient)		W/mK	0.35
Fire Class	DIN 4102		B2
Tolerance		%	10

Standard dimensions

Colour	Width mm	Thickness mm	Roll lenght m	Number rolls on standard pallet
Green	100	2	50	126
Green	120	2	50	99
Green	150	2	50	81
Green	200	2	50	63
Green	300	2	40	45
Red	150	2.5	50	63
Red	200	2.5	50	54
Red	250	2.5	40	45
Red	300	2.5	30	45
Red	300	3	30	45
Others on request				

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