

LET OP HOOGSPANNINGSKABEL

INFRASTRUCTURE

SIMONA[®] ELECTROPLAST

SIMOGuard plus



SIMONA[®] ELECTROPLAST

FUTURE-PROOF AND SUSTAINABLE CABLE PROTECTION SOLUTIONS

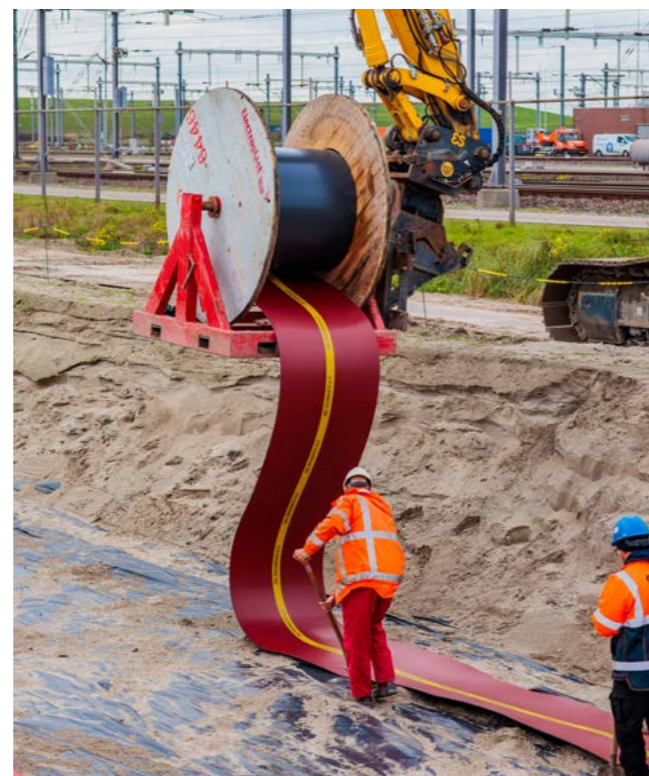
SIMONA[®] Electroplast B.V. is a leading manufacturer of cable protection solutions based in Dordrecht, the Netherlands. Since our foundation in 1970, we have been developing sustainable products that ensure the safety of critical infrastructure.

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 PLUS



Strong Safety. Clear Visibility. Long-Term Protection

SIMOGuard plus is designed to safeguard underground cables and pipes while ensuring easy recognition and early warning during excavation works. Installed directly above utility lines, our SIMOGuard plus acts as a visible and physical barrier – helping to prevent costly damage and service disruption.



Proven Protection and Lasting Performance

SIMOGuard plus combines durability with high visibility to:

- Prevent accidental damage during digging or trenching
- Serve as a warning system for maintenance crews and contractors
- Withstand underground pressure, chemicals, and harsh soil conditions



Customised to Fit Your Project

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

- Widths: 100 mm – 1,100 mm
- Thicknesses: 6 mm – 12 mm
- Lengths: Available in variable lengths depending on format – as plates or on drums
- Colours: Standard in green and red, with custom options available
- Optional printing: High-visibility warning or identification text, durable even when installed underground



Sustainable and Compliant with Industry Standards

SIMOGuard plus is engineered with both performance and the planet in mind:

- Made from 100% recycled polyethylene
- Resistant to moisture, chemicals, and soil impact
- Fully compliant with:
 - EN 50520
 - DIN 54841-5
 - PICKAXE TEST
 - ENA TS 12-23



Efficient Logistics and Easy Handling

To simplify your operations, our products are:

- Delivered as space-saving plates or on drums
- Easy to transport, unroll, and install directly on-site



Your Benefits at a Glance

- Proven protection against excavation damage
- High visibility and long-term durability
- Fast and low-cost installation
- Custom formats, colors & text
- Eco-friendly materials without compromising on quality
- Norm-compliant and project-ready



Protect underground networks with confidence

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

DATA SHEET SIMOguard PLUS

Description	Standard	Unit	Value
Density	DIN EN ISO 1183	g/cm ³	0.97
MFR 190 °C / 2,16 kg	DIN EN ISO 1133	g/10 min	1.4
E-modulus	DIN EN ISO 527	MPa	430
Tensile strength	DIN EN ISO 527	MPa	13
Elongation at break	DIN EN ISO 527	%	370
Notched impact strength Charpy	DIN EN ISO 179-1eA	kJ/m ²	16
Shore Hardness	DIN EN ISO 868	Shore D	52
Damp Insertion		%	0.02
Linear expansion coefficient		mm/m/°C	0.15
Thermal Conductivity		W/mK	0.361
Fire Class	DIN 4102		B2
Electric Strength	BS 2782	kV/mm	11.8
Volume Resistivity	BS 2782	Ohm/cm	1.5 x 10 ¹⁶
Pick Axe Test 1 (1961)	BS 2484		pass
Pick Axe Test 2 (Nov. 2000)	DIN 54841-5		pass
Pick Axe Test 3 (Germany) Praxisnahe Prüfung der Schutzwirkung von Abdeckungen für Niederspannung/ Starkstromkabel Elektrizitätswirtschaft, JG 73 (1974), Heft 8			pass
Impact resistance	ENA TS 12-23		CLASS 1 and CLASS 2
Tolerance		%	5

Standard dimensions

Colour	Width mm	Length mm	Thickness mm	Shape	Text
Black/red	250	1000	12	smooth	t.b.n.
Black/green	250	1000	12	smooth	t.b.n.

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