



 **RADPOL**
PIPES

GreenID

**Pre-insulated pipe systems
with HDPE casing
made from recycled material**

New standard in responsible infrastructure



Full range of GreenID pre-insulated pipe systems from DN 20 to DN 1000

Modern infrastructure Conscious choices

We believe that innovation and environmental responsibility can – and should – go hand in hand. That's why we created GreenID: pre-insulated pipes with a protective casing made from HDPE sourced through our in-house recycling process.

Our approach is an intentional closed-loop system, where polyethylene production waste becomes raw material for new, full-value casings for GreenID pre-insulated pipes.

GreenID – Circular technology

GreenID is our response to growing environmental and societal challenges. By using recycled materials, we reduce the consumption of virgin raw materials, lower greenhouse gas emissions, and minimize waste. GreenID supports the circular economy and enables our clients to meet the goals of ESG strategies.

GreenID is a technology that:

- reduces CO₂ emissions by up to 1.5 tonnes per tonne of HDPE,
- complies with EN 253 technical requirements,
- enables construction of long-lasting pipeline systems without compromising quality,
- supports ESG policies and earns recognition from investors and local communities.

Controlled process & compliance with standards

The protective casing of GreenID pipes is made from high-quality recycled HDPE, processed in our own facility. This gives us full control over the entire cycle – from material recovery and processing to the final product.

Key technical parameters of GreenID HDPE:

- thermal stability (OIT) > 20 minutes (EN 728),
- carbon black content: 2.5 ± 0.5% (ISO 6964),
- MFR index: 0.2–1.4 g/10 min (EN ISO 1133),
- elongation at break: >350%,
- crack resistance (FNCT) and uniform carbon black dispersion.

Benefits of on-site HDPE regranulation:

- full quality control,
- reduced logistics-related emissions,
- faster response to customer needs,
- repeatability and compliance with standards guaranteed.

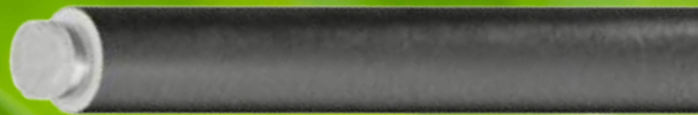


GreenID – an investment that pays off.

Invest smart – today and for the future

In a world where the process matters just as much as the outcome, GreenID delivers exactly what today's investors need.

This is a technology that not only meets the highest technical standards but also supports ESG implementation, reduces emissions, and adds measurable value to your project. Gain not only a technological edge – but a strategic one.



High durability



GreenID pre-insulated pipes provide a service life of at least 30 years at a continuous medium temperature of 120°C. That means fewer failures, less frequent replacements, and reduced maintenance costs throughout the entire lifecycle. With rigorously controlled recycled HDPE and compliance with EN 253, you can count on full system performance for decades.

CO₂ emission reduction



Each tonne of recycled HDPE used in our GreenID casing means less CO₂ emissions compared to fossil-based virgin HDPE. This translates into ESG reporting benefits and easier access to green financing.

Tender and brand advantage



Public and private investors increasingly seek solutions aligned with sustainability principles. Integrating GreenID technology boosts your offer's competitiveness and can provide a critical advantage in tenders and public contracts.

Quality and compliance



GreenID pipe systems meet all the technical requirements of the European standard EN 253.



Radpol Pipes GreenID – technology in a closed loop

By choosing GreenID pipes with a recycled HDPE casing, you're investing not only in modern infrastructure, but also in real, positive change for the world. It's a choice that truly pays off.



Let's raise the standard
for responsible district
heating and industrial
infrastructure – together.

Get in touch with the Radpol
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