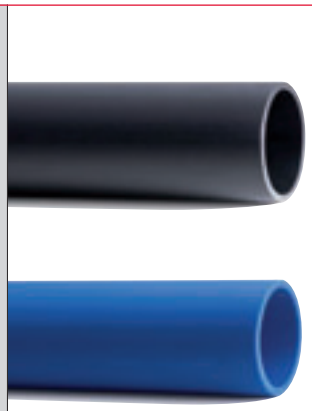
# SIMONA® pipes – Simple solutions for complex projects

## PE 80/PE 100

Standard pressure pipes made of extruded polyethylene in PE 80 or PE 100

**Protection level:** + low



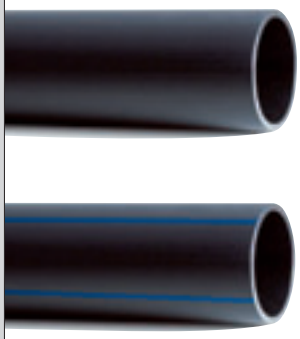
**Advantages**

- Low notch sensitivity
- Low weight
- Low incrustation
- High flexibility
- No corrosion

## PE 100 RC-Line

Pressure pipes made of PE 100 RC with high resistance to slow crack growth and concentrated point loads

**Protection level:** ++ medium



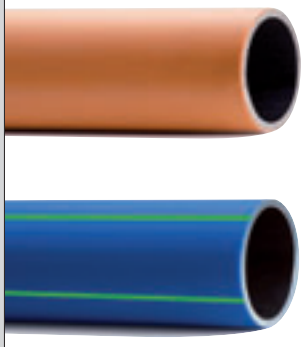
**Additionally**

- Superior stress crack resistance
- High resistance to point loads (e.g. stones, fragments)
- Excavated soil used as backfill in open-trench installation
- Increased resistance to slow crack growth

## PE 100 SPC RC-Line

Coextruded multilayer pressure pipe with standardised inner pipe made of PE 100 RC and modified polypropylene (SIMONA PP Protect) protective jacket

**Protection level:** +++ high



**Additionally**

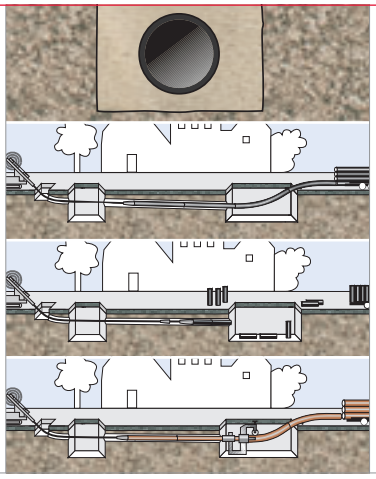
- Excellent bonding and shear strength between inner pipe and projective jacket
- High abrasion resistance
- No crack propagation from protective jacket into inner pipe
- High resistance of inner pipe (PE 100 RC) to slow crack growth
- Exceptional protection against external damage as notches, abrasion, wear (PE 100 SPC)

## Pipe-laying methods

**Open-trench method**
- With sand bed
- With high-grade chippings

**Trenchless method**
- Relining (Sliplining)
- Swagelining

Installation with compactible, stone-free materials such as sand or twice-crushed and screened chippings, e.g. equivalent to 2/5 grade up to a maximum of 11 mm (bedding in accordance with DIN EN 1610)



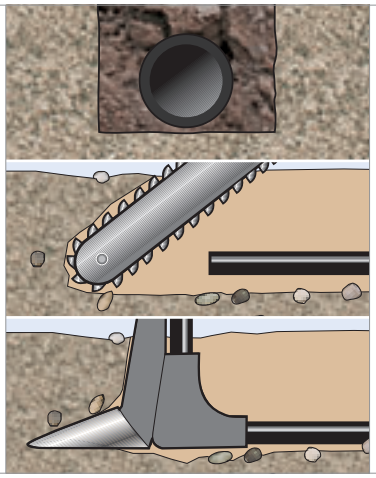
## Standards and certifications

- DIN 8074/8075
- DIN EN 13244
- DIN EN 12201
- DIBt approval Z-40.23.311 for liquids hazardous to water
- Drinking-water: DVGW GW 335 A2
- TÜV Süddeutschland certified

**Open-trench method**
- Without sand bed
- Milling

**Trenchless method**
- Ploughing

Installation with prepared, compactible excavated material with a grain size of up to 63 mm, e.g. equivalent to 32/63-grade crushed stone



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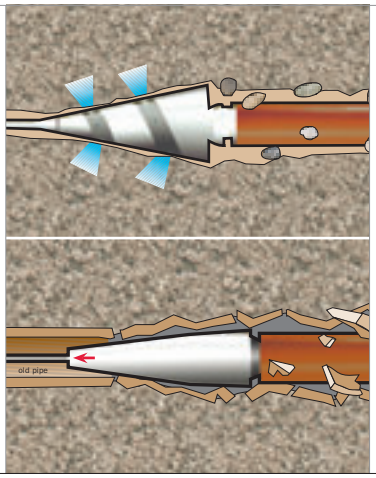
**Trenchless method**
- Directional drilling
- Burstlining

Installation in all soil types and classes permitted for construction purposes

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