

Using recycled materials for horizontal directional drilling (HDD) can offer various benefits but also carries certain risks.

EVOPIPES hereby outlines several critical points for your attention:

Advantages:

1. **Protecting the environment:** using recycled materials reduces waste and helps conserve resources.
2. **Cost reduction:** in some cases, the use of recycled materials can reduce the cost of pipe materials.

Risks:

1. **Quality variability:** since recycled materials can at times be heterogeneous, this may influence the mechanical strength, longevity, tensile strength, and weld quality of the pipes.
2. **Suitability for HDD installation:** not all recycled materials are suitable for the horizontally directional drilling installation method and problems with pipe welding may occur. During HDD installation, the pulling force resistance of the pipes may be considerably lower compared to the PE100 pipes (e.g. EVOCAB STING).
3. **Environmental factors:** recycled materials may be more susceptible to corrosion or other environmental conditions, therefore longevity of the pipes can be affected.
4. **Regulations and standards:** prior to HDD installation with recycled polymer pipes, ensure compliance with any stricter national standards or regulations that may govern the use of recycled materials, or whether there are specific requirements for materials that must be used for the HDD installation process in the respective country.

Recommendations:

- Carefully assess the quality and performance of materials when using them in your project.
- Involve experts to assess potential problems and solutions for recycled materials.
- Ensure compliance by verifying applicable local regulations.

Should you have any specific questions or require further information on this topic, please feel free to ask!