Engineering progress
Enhancing lives

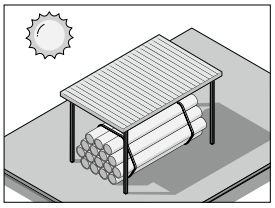
Heating pipe RAUTHERM NEO-X5

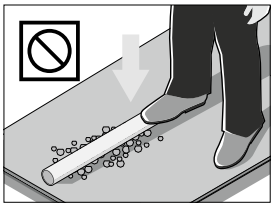
Information for the REHAU heating pipe RAUTHERM NEO-X5 Made of RAU-PE-Xe with EVOH diffusion barrier to DIN 4726

Delivery
REHAU heating pipes RAUTHERM NEO-X5 made of RAU-PE-Xe with EVOH diffusion barrier are supplied as coils.

Transport
REHAU heating pipes RAUTERM NEO-X5 and all system components are to be loaded and unloaded under qualified supervision and to be transported and stored in a way that is suitable for the material. Unprotected pipes or fittings must not be dragged on the ground or across concrete floors. The pipes are packaged in boxes or foils and are to be left in these boxes and foils until installation.

Storage
This packaging protects the pipes from mechanical damage. Oils, grease and paints etc are to be kept away from the pipes.





Store the pipes and system components on a level surface, which must always be free from any sharp edges. Protect it from dirt, drilling dust, mortar, grease, fat, paints and mechanical damage. The pipes are to be protected from a prolonged exposure to the sun during the construction phase.

Properties and identification:
Pipe made of RAU-PE-Xe
Polyethylene cross-linked using UV light (PE-Xe)
Complies with ISO 15875

The surface-related oxygen permeability is
≤ 0,32 mg/(m² · d) at 40 °C (application class 4) and
≤ 3,6 mg/(m² · d) at 80 °C (application class 5) according to DIN 4726.
DIN CERTCO registration 3V455 PE-Xe.

Heating water additives are not required when using the REHAU heating pipe RAUTHERM NEO-X5. Should inhibitors, anti-freeze agents or other heating water additives still be used, an approval of the relevant manufacturer is required.

The composition of the heating water must comply with the requirements of VDI 2035.

Areas of application:
REHAU RAUTHERM NEO-X5 pipes are only intended for use in subsurface heating and cooling. The heating pipe RAUTHERM NEO-X5 must not be used in drinking water installations.

The RAUTHERM NEO-X5 pipes are certified according to ISO 15875 for application class 4 subsurface heating and low temperature radiator connection and for application class 5 subsurface heating and high temperature radiator connection.

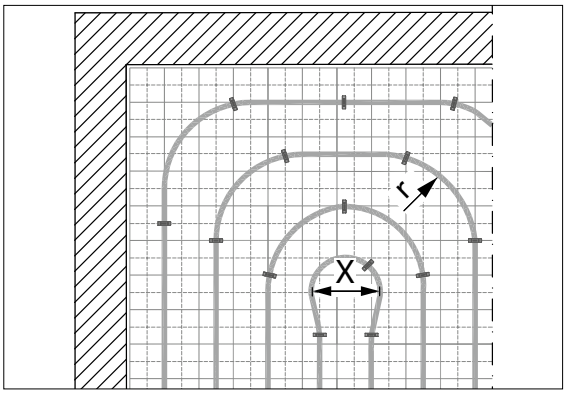
When planning heating systems, it is assumed that the heating systems are periodically operated with different operating temperatures. The design temperature is therefore not constant during the anticipated lifetime of 50 years.

The temperature collective of the ISO 15875 application class 4, design pressure 8 bar and application class 5, design pressure 6 bar.

Installing, bending and pipe joints
When installing REHAU heating pipes RAUTHERM NEO-X5 it is to be ensured that no mechanical/chemical interference affects the pipe (e.g. sharp-edged surface, UV radiation, chemicals, external moisture).

During the installation in areas, where the pipe may be exposed to UV radiation (e.g. sunlight), it must be covered across the entire surface in a suitable manner!

Installation
Use corresponding fittings of RAUTHERM NEO-X5 pipes for installation. For pipe installation, the following table shows minimum bending radii at installation temperature > 0 °C without using bending tools.



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Refer to our Technical Information which can be obtained through REHAU, your wholesaler and at **www.rehau.com/TI**