

Rehau RAUTITAN Pink Pipe

REHAU heating/cooling installation pipe RAUTITAN pink

- Pipe made from RAU-PE-Xa
 - Peroxide-crosslinked polyethylene (PE-Xa)
 - With oxygen-barrier layer
 - Oxygen-tight according to DIN 4726 standard
 - Complies with DIN 16892
- Field of application
 - Underfloor heating/cooling
 - Radiator panels
 - Heating installation in buildings.

§ RAUTITAN pink heating pipe may not be used in drinking water installations!

Operating parameters

- Recommended application parameters
 - Permanent operating pressure 6 bar
 - Permanent operating temperature 70°C
 - Operating life: 50 years
- Composition of heating water according to VDI 203



German approvals and quality certifications

- DIN CERTCO registration confirms that the pipes are suitable for use in heating installations in accordance with DIN 16892 and have the necessary impermeability to oxygen.

Approvals outside Germany

National approval outside Germany may vary in the respective countries from the German approvals. When using the RAUTITAN pink heating installation system in other countries, consult your REHAU sales office.



Illustration 2-9: RAUTITAN pink Heating pipe

Delivery Make-up

d [mm]	s [mm]	DN	Volume [l/m]	Length [m]	Format
16	2.2	12	0.106	6	Straight length
				200	Coil
20	2.8	15	0.163	6	Straight length
				120	Coil
25	3.5	20	0.254	6	Straight length
				25	Coil
32	4.4	25	0.423	6	Straight length
				25	Coil
40	5.5	32	0.661	6	Straight length
50	6.9	40	1.029	6	Straight length
63	8.6	50	1.633	6	Straight length

Table 2-4: RAUTITAN pink Delivery Make-up

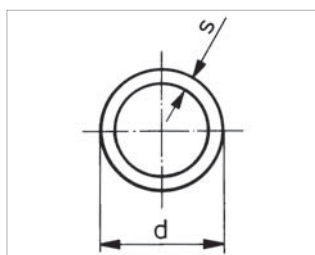


Illustration 2-10: Diameter/Wall thickness

Pipe technical data



The values in the following table should be used as a guide.



The use of inhibitors, anti-freeze agents and other drinking or heating water additives requires the authorisation of the respective manufacturer and of our application engineering section.

→ In this case, please ask your REHAU sales office.




Caution!

Material damage through overloading!

It is not permissible to place maximum temperature and pressure demands on the pipe at the same time.

→ Prevent simultaneous loading with maximum temperature and pressure by building in appropriate devices (pressure reducers).

		REHAU-Pipe	
		RAUTITAN pink	
Technical data	Unit	 pink	
Material	—	PE-Xa Coated with EVAL	
Colour (surface)	—	magenta	
Impact toughness at 20°C	—	without breaking	
Impact toughness at -20°C	—	without breaking	
When laid with support channel: Sizes 16–40 Sizes 50 and 63	[mm/(m·K)]	0.15 0.04 0.1	
Thermal conductivity	[W/(m·K)]	0.35	
Pipe roughness	[mm]	0.007	
Operating pressure (max.)	[bar]	10	
Operating temperature (max.)	[°C]	90	
Short-term maximum temperature (malfunction)	[°C]	100	
Oxygen diffusion (according to DIN 4726)	—	impervious to oxygen	
Material constant C	—	12	
Building Material Class (Germany)	—	B2	
Minimum bending radius without aid	—	8 x d (when laid at temperature > 0°C)	
Minimum bending radius with bending spring/tool d = pipe diameter	—	5 x d	
Available sizes	[mm]	16-63	

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Fields of application

RAUTITAN installation system may be deployed in any:

- Hot and Cold Water Services
- Radiator panels
- Underfloor heating/cooling

For underfloor heating and underfloor radiator heating we recommend REHAU systems with RAUTITAN pink pipe with oxygen barrier.

Areas of application for REHAU PE-Xa pipes

Field of application	RAUTITAN pink
	
Drinking water installation	—
Radiator connection	++
Underfloor heating/cooling	++

- ++ : Especially recommended
+ : Suitable
— : Not suitable

Areas of application of REHAU heating pipes in the Underfloor heating/cooling


Installation System		Heating Pipe RAUTITAN pink
		
REHAU Varionova studded panel system		16 x 2,2 mm
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REHAU stapling system		16 x 2,2 mm
REHAU RAUFIX system	for 12/14	—
	for 16/17/20	16 x 2,2 mm
REHAU pipe grid system		16 x 2,2 mm 20 x 2,8 mm
REHAU dry system		16 x 2,2 mm
REHAU base panel TS-14		—

Table 2-3: Areas of application of REHAU heating pipes in the Underfloor heating/cooling