



RAUPEX[®] UV SHIELD PIPE

Counter Guide

Applications

- Designed and certified for potable plumbing applications. RAUPEX UV Shield can also be used in heating applications but it requires corrosion protection and/or isolation by using a heat exchanger or non-ferrous components throughout the system.

Material

- RAUPEX is REHAU's trade name for its specially formulated crosslinked polyethylene (PEXa) pipe, manufactured using the high-pressure peroxide method.
- Does not contain Bisphenol A (BPA) and meets all lead-free plumbing requirements.

Manufacturing Process

- Crosslinking takes place in special extruders using select high density polyethylene resin, in a process optimized over decades of continuous production and testing. The result is a higher degree of crosslinking compared to PEXb or PEXc pipes, which gives the pipe optimal strength, higher flexibility and greater toughness.
- RAUPEX pipes have been in continuous use for more than 40 years.
- PEXa pipe is the only pipe that can be cold expanded.

Fitting Compatibility

- RAUPEX UV Shield pipe is specially designed for use with the EVERLOC+™ compression-sleeve fitting system certified to ASTM F877.
- RAUPEX UV Shield pipe can also be used with any of the fitting systems listed below without invalidating the pipe's 25-year limited warranty.* See *Technical Bulletin 261* for other compatible fitting systems.



ASTM F877 Cold Expansion Systems



ASTM F2080



ASTM F1960



ASTM F1807



ASTM F2159



ASSE 1061 Push Systems



ASTM F877 Press Systems

Features

- More flexible than other PEX pipes; easier to install even in cold temperatures.
- Copper tube size (CTS), SDR9 dimensions.
- Continuous-use pressure ratings: 160 psi @ 73.4°F (1055 kPa @ 23°C), 100 psi @ 180°F (690 kPa @ 82.2°C), 80 psi @ 200°F (550 kPa @ 93.3°C) per *Product Submittal 101*.
- Can be pressure-tested with air or water. See *Technical Bulletin 211* for details.
- Chlorine-resistant when tested in accordance with ASTM F2023.
- Only PEX pipe with 1-year UV warranty when tested in accordance with ASTM F2657. However not intended for long-term or permanent exposure to sunlight. Store pipes indoors and in original packaging.
- 25-year PEXa Limited Warranty on RAUPEX plumbing pipe applies regardless of fitting system used. Refer to the REHAU *PEXa Limited Warranty* for complete coverage and details.

Availability

RAUPEX UV shield pipe is available in the following make-ups:

- 3/8, 1/2, 3/4, 1, 1 1/4, 1 1/2 and 2 in. diameter pipe in 100, 300, 500 and 1,000 ft coils and 20 ft straight lengths as listed in the REHAU *Sustainable Building Technology Product Catalog*.

Certifications

- All RAUPEX UV Shield pipes are produced and certified in accordance with ASTM F876, F877, PPI TR-3, CSA B137.5 and NSF 14/61 standards.

Repairing Kinked Pipe

- If accidentally kinked during installation, the pipe can be repaired using an electric hot air gun.
- With the pipe laying straight and without any pressure in the pipe, simply heat the kinked area until the pipe becomes round.
- Stop heating when the pipe is round and you can no longer see the kink (non-barrier pipe may turn clear).
- Pipe may be put back into service once it is cooled. Do not rebend the pipe at the same location, since this section of the pipe will be less flexible, stiffer and may rekind.

*It should be noted that REHAU cannot warrant products we do not sell, even if they are connected to, used with, or associated in any way with REHAU products, so the REHAU warranty does not apply to fittings or connections supplied by others. However, the REHAU PEXa Limited Warranty for RAUPEX pipe will remain valid. REHAU does not continuously monitor or track product changes of third-party manufacturers. Any changes may affect product performance and compatibility with REHAU products. It is the responsibility of the installer to confirm that these products are appropriately applied, installed and tested according to the other manufacturer's current installation instructions.

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