



**UV Labeling Guidelines
for PEX Pipes
TN-32/2010**

Foreword

This technical note was developed and published with the technical help and financial support of the members of the Plastics Pipe Institute. The members have shown their interest in quality products by assisting independent standard-making and user organizations in the development of standards, and also by developing reports on an industry-wide basis to help engineers, code officials, specifying groups, and users.

This technical note has been prepared to provide those responsible for the maintenance of existing HDPE pipelines with suggested general guidelines for the repair of those lines that have been subjected to third party or other unforeseen damage. These guidelines constitute a set of basic operations that have been demonstrated by test and experience to produce satisfactory repairs with commercially available materials. Each specific procedure must be acceptable to, and qualified by, the operator having legal responsibility for the performance of the piping system. This document was not intended to provide system design information. Go to the PPI website at www.plasticpipe.org for different system design documents.

The Plastics Pipe Institute, Inc. has prepared this technical note as a service to the industry. The information in this note is offered in good faith and believed to be accurate at the time of its preparation, but is offered without any warranty, express or implied. Additional information may be needed in some areas, especially with regard to unusual or special applications. Consult the manufacturer or material supplier for more detailed information. A list of member manufacturers is available from PPI. PPI does not endorse the proprietary products or processes of any manufacturer, and assumes no responsibility for compliance with applicable laws and regulations.

PPI intends to revise this report from time to time, in response to comments and suggestions from users of this note. Please send suggestions for improvements to PPI. Information on other publications can be obtained by contacting PPI directly or visiting the web site.

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UV Labeling Guidelines for PEX Tubing and Pipes

To inform customers and end users about the need to prevent accidental overexposure of crosslinked polyethylene (PEX) tubing and pipes to sunlight (UV light), PPI recommends that a CAUTION label be applied to all PEX tubing and pipe packaging by the manufacturer. This CAUTION label should contain the content as shown below.

The size and shape of the label is not defined by PPI. The recommended text may alternatively be incorporated into existing labels with other information. The universal “no-sun” symbol may be reproduced as shown in color, black-and-white or grayscale, and should be positioned close to the recommended text.

Typical label:

<p>CAUTION</p> <ul style="list-style-type: none">• Do not store PEX outdoors.• Keep PEX pipes in the original packaging until time of installation.• Ensure that exposure to sunlight during installation does not exceed the maximum recommended UV exposure time of <u>X</u> days, otherwise products may be damaged.	
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The allowed exposure time of “X days” shall be recommended by the pipe manufacturer following third-party testing of the product according to test method ASTM F 2657 and standard specification ASTM F 876.

For more information on PEX pipes and PPI hydrostatic requirements, please refer to PPI Technical Report **TR-3 “Policies and Procedures for Developing HDB, PDB, SDB and MRS Ratings for Thermoplastic Materials or Pipe”**, Technical Note **TN-17 “Crosslinked Polyethylene (PEX) Tubing”** and Technical Note **TN-31 “Differences Between PEX and PB Systems for Potable Water Applications”**, or visit the website at www.plasticpipe.org.