

# RePVC® — the first NSF®-listed PVC DWV product made with recycled content.

The newest thing in PVC is actually old PVC. That's right, Charlotte Pipe® is proud to be the first manufacturer to offer an NSF-listed PVC Schedule 40 product made with recycled content. RePVC is a coextruded, solid-wall pipe, made from a minimum of 30 percent recycled content. The center layer is made from 100 percent post-industrial recycled content, which makes up at least 30 percent of the pipe's overall wall thickness. The inner and outer skins of the pipe are made from virgin material. RePVC is manufactured to ASTM F 1760 and is for use in non-pressure applications only.

Specifying and using recycled PVC expands the market for recycled materials, slows the consumption of raw materials and reduces the amount of waste entering landfills. RePVC is durable, cost-effective piping that is quick and easy to install. While RePVC features a green print line to highlight its environmentally friendly nature, it provides all the same benefits as other PVC piping. It is lightweight, easy to install and non-toxic. Also, as a thermoplastic, RePVC is a recyclable material.

## RePVC® APPLICATIONS

RePVC is the perfect choice for all non-pressure DWV applications in green construction projects. Currently, it is in particular demand for public sector commercial projects, such as military construction. RePVC is one of the construction materials covered by the Comprehensive Procurement Guidelines (CPG) as part of the Resource Conservation and Recovery Act (RCRA) that requires federal agencies to emphasize the purchase and use of products with recycled content.

And, because it is a PVC product, RePVC is easy to join and install using solvent cement, the proven and most common installation method in the industry.



## WHY CHOOSE RePVC®?

### IT'S ENVIRONMENTALLY FRIENDLY

RePVC pipe is the only "green" PVC DWV product available. One-hundred percent of RePVC's center layer is comprised of recycled content. The U.S. Environmental Protection Agency (EPA) ranks source reduction, reuse and recycling as the three preferred strategies for reducing waste — RePVC supports all three. Furthermore, by using materials with recycled content like RePVC, specifying engineers and contractors are meeting the intent of using sustainable materials in green construction projects. RePVC reduces demand for virgin materials, reduces waste, lessens the impacts associated with the extraction and processing of virgin resources and increases the demand for building products that incorporate recycled content materials.

### EASY, RELIABLE INSTALLATION

RePVC performs just like standard PVC, so it joins quickly and easily with solvent cement. Charlotte Pipe offers RePVC pipe in 20' lengths, and in 1½", 2", 3", 4", 6" and 8" diameters. Use RePVC with PVC Schedule 40 DWV fittings.

### MARKET DEMAND

The U.S. Green Building Council's Green Jobs Study predicts that green building will support or create 7.9 million jobs over the next five years and contribute more than \$550 billion to the U.S. economy. Public sector projects, and in particular, military construction projects, are already specifying pipe with recycled content. RePVC also meets the requirements of the Resource Conservation and Recovery Act, Section 6002.

## SUGGESTED SPECIFICATION FOR RePVC SCHEDULE 40 PIPE AND PVC DWV FITTINGS

Inside and outside layers of pipe shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a minimum cell class of 11432 per ASTM D 4396. Center layer of pipe shall be manufactured from recycled PVC compounds with a minimum cell class of 11211 per ASTM D 4396. Fittings shall be manufactured from virgin rigid PVC (polyvinyl chloride) vinyl compounds with a cell class of 12454 as identified in ASTM D 1784.

Center layer of pipe shall be comprised of 100% recycled material and make up 30 – 80% of the pipe's overall wall thickness.

Coextruded PVC pipe with recycled content shall be Schedule 40 iron pipe size (IPS) conforming to ASTM F 1760. PVC DWV fittings shall conform to ASTM D 2665. Pipe and fittings shall be manufactured as a system and be the product of one manufacturer. All pipe and fittings shall be manufactured in the United States. All systems shall utilize a separate waste and vent system. Pipe and fittings shall conform to NSF International Standard 14.

Installation shall comply with the latest installation instructions published by Charlotte Pipe and Foundry and shall conform to all applicable plumbing, fire, and building code requirements. Buried pipe shall be installed in accordance with ASTM D 2321 and ASTM F 1668. Solvent cement joints shall be made in a two-step process with primer conforming to ASTM F 656 and solvent cement conforming to ASTM D 2564. The system shall be protected from chemical agents, fire stopping materials, thread sealant, plasticized vinyl products, or other aggressive chemical agents not compatible with PVC compounds. Systems shall be hydrostatically tested after installation.

**WARNING!** Never test with or transport/store compressed air or gas in PVC pipe or fittings.

**For more information  
on RePVC, please contact  
your Charlotte Pipe sales  
or technical services rep,  
or visit  
[www.charlottepipe.com](http://www.charlottepipe.com).**



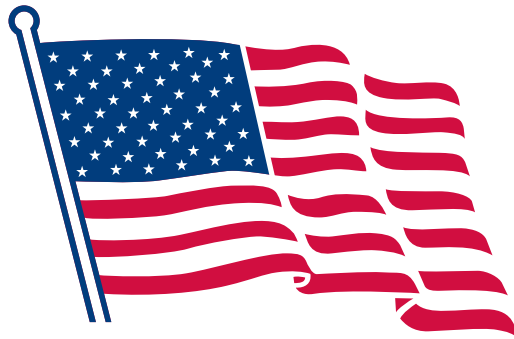
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All products manufactured by  
Charlotte Pipe and Foundry Company  
are proudly made in the U.S.A.

