

Uni-Bell

PVC Sewer Pipe Milestones

First PVC Pipe Installed

Industrial PVC pipe production dates back to the 1930's in the Bitterfeld-Wolfen chemical industry area. Used for potable and waste pipes, many of these pipes remain in service. A series of tests on these old pipes was carried out, and the results compared against the current norms, providing an excellent basis on which to compare the data from the original long term pressure tests with actual results from 60 year old pipes. This confirmation of the long term performance predicted 60 years ago, is also an important contribution to future PVC pipe developments.



U.S. Introduction of PVC Pipe

The technology was brought to North America following WW II, and started to take off after the National Sanitation Foundation (NSF) began studying plastic pipe products for water supplies in 1952. Certification began in 1965.



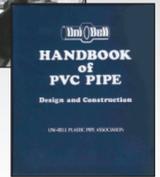
ASTM Publishes PVC Sewer Pipe Standards

ASTM approves and publishes a standard for PVC sewer pipe 4" through 12" in 1972. The designation is ASTM D3034, *Standard Specification for Type PSM Poly (Vinyl Chloride) (PVC) Sewer Pipe and Fittings*. 15" diameter is added to D3034 in 1977.



Uni-Bell is Formed

The non-profit, Integral Bell Gasketed Joint Plastic Pipe Association (re-named the Uni-Bell Plastic Pipe Association in April 1972) assembled in 1971. Uni-Bell publishes the first comprehensive reference manual for PVC pipe in 1977, the *Uni-Bell Handbook of PVC Pipe - Design and Construction*.



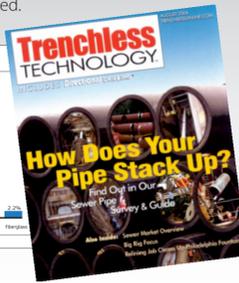
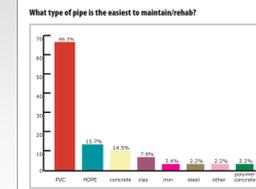
Large Diameter Sewer Pipes Introduced

In 1980 ASTM publishes a standard for larger diameter PVC sewer pipes and designated ASTM D679, *Standard Specification for Poly (Vinyl Chloride) (PVC) Large-Diameter Plastic Gravity Sewer Pipe and Fittings*, which now covers diameters through 48". Large diameter, structured-wall PVC pipes were standardized with the publication of ASTM F794 in 1983.



PVC Rated Easiest to Maintain

49,000 miles installed per year. Sewer system operators and consulting engineers rate PVC sewer pipe the easiest to maintain and most commonly used.



PVC Wastewater pipes

The intrinsic properties and benefits of PVC pipes have become so expected one forgets how good they are until compared to traditional materials.

