P.E.P.

Specializing in Plastic Engineered Products

ANNOUNCES A DRAMATIC BREAKTHROUGH IN COLOR CODED PVC PIPE

P.E.P. has developed a product to meet the new regulations requiring piping systems to be easily identifiable via color coding.

PROBLEM

Standard gray PVC piping is adversely affected by ultraviolet rays and virtually impossible to paint or permanently label due to its glossy finish resulting from the extrusion process.

SOLUTION

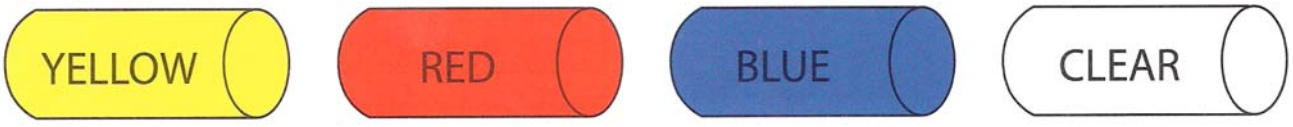
For a small premium over the cost of standard gray PVC, P.E.P. will extrude a PVC piping system with full-color pigmentation, eliminating the need for painting or labeling. The system is guaranteed not to fade, chip, or require any maintenance for the life of the product.

ıze Range: P.E.P. is extruding PVC Schedule 80 in ½" diameter through 8" diameter. Larger sizes are available upon request. Color Coding is also available for secondary containment systems.

Sample Specification: P.E.P. color coded PVC shall be provided in accordance with ASTM D-1785 for dimensions, tolerances, and physical properties. Piping must be extruded in one integral uniform color by blending the selected color into the base PVC resin compound, as manufactured by P.E.P. at (800) 407.3726.

Testing: Do not test PVC or CPVC piping systems with compressed air or gases. Always bleed all entrapped air from the system prior to testing.

Color Selection: P.E.P. can match virtually any color that is required. Currently, standard colors are safety yellow, red, blue, and clear.



For more information on Color Coded PVC Piping Systems, contact our Sales Department toll-free 800.407.3726 or by fax 908.534.5287 or e-mail us at pep@pep-plastic.com.

50 TANNERY ROAD, BUILDING 3
BRANCHBURG, NEW JERSEY 08876
(908) 534-6111 (800) 407-3726 FAX: (908) 534-5287
E-MAIL: pep@pep-plastic.com WEB SITE: www.pep-plastic.com

POLYVINYL CHLORIDE (PVC) AND CORZAN CHLORINATED POLYVINYL CHLORIDE (CPVC) PIPE

MAJOR ADVANTAGES

Easy Installation
PVC and CPVC pipe are light in weight (approximately one-half the weight of aluminum and one-sixth the weight of steel). They have smooth, seamless interior walls. No special tools are required for cutting. They can be installed using solvent cementing, threading, flanging and roll-grooved joining techniques.

Chemical Resistance
PVC and CPVC pipe are inert to attack by strong acids, alkalies, salt solutions, alcohols, and many other chemicals. They are dependable in corrosive applications and impart no tastes or odors to materials carried in them. They do not react with materials carried, nor act as a catalyst. All possibility of contamination, or chemical process changes, and all danger of clouding, sludging, or discoloration are eliminated. (See chemical resistance charts.)

Strength
PVC and CPVC pipe are highly resilient, tough and durable products that have high tensile and high impact strength. They will withstand surprisingly high pressure for long periods.

Fire Resistance
PVC and CPVC pipe products are self extinguishing and will not support combustion. They have an ASTM E-84 flame spread rate of 25 or less.

Internal Corrosion Resistance
PVC and CPVC pipe resist chemical attack by most acids, alkalies, salts, and organic media such as alcohols and aliphatic hydrocarbons, within certain limits of temperature and pressure. They provide the needed chemical resistance, while eliminating the disadvantages of special metals, lined piping, glass, wood, ceramics, or other special corrosion-resisting materials, which formerly had to be used.

External Corrosion Resistance
Industrial fumes, humidity, salt water, weather, atmospheric, or underground conditions, regardless of type of soil or moisture encountered, cannot harm rigid PVC and CPVC plastic pipe. Scratches or surface abrasions do not provide points which corrosive elements can attack.

Immunity to Galvanic or Electrolytic Attack
PVC and CPVC pipe are inherently immune to galvanic or electrolytic action. They can be used underground, underwater, in the presence of metals, and can also be connected to metals.

Freedom from Toxicity, Odors, Tastes
PVC and CPVC piping are non-toxic, odorless, and tasteless.

Corrosion Free
With many other pipe materials, slight corrosion may occur. The corroded particles can contaminate the piped fluid, complicating further processing, or causing bad taste, odors or discoloration. This is particularly undesirable when the piped fluid is for domestic consumption. With PVC and CPVC, there are no corrosive by-products, therefore, no contamination of the piped fluid.

Low Friction Loss
The smooth interior surfaces of PVC and CPVC pipe, compared to metal and other piping materials, assure low friction loss and high flow rates. Additionally, since PVC and CPVC pipe will not rust, pit, scale, or corrode, the high flow rates will be maintained for the life of the piping system.

Low Thermal Conductivity
PVC and CPVC pipe have a much lower thermal conductivity factor than metal pipe. Therefore, fluids being piped maintain a more constant temperature. In most cases, pipe insulation is not required.

Low Installation Cost
PVC and CPVC pipe are extremely light weight, convenient to handle, relatively flexible, and easy to install. These features lead to lower i ed costs than conventional metal piping.

Maintenance Free
Once a PVC or CPVC piping system is properly selected, designed, and installed, it is virtually maintenance free. It will not rust, scale, pit, corrode, or promote build-up on the interior. Therefore, years of trouble-free service can be expected when using P.E.P. Pipe and Fitting Systems.

PVC and CPVC Schedule 40 Pipe

Nominal Pipe Size (in.)	Outside Diameter	Min. Wall	Approximate Wt. (lbs/100ft)	
			PVC	CPVC
½	.840	.109	16.2	17.3
¾	1.050	.113	21.4	23.0
1	1.315	.133	31.5	34.2
1¼	1.660	.140	42.6	46.3
1½	1.900	.145	50.8	55.3
2	2.375	.154	68.2	74.3
2½	2.875	.203	107.0	117.9
3	3.500	.216	140.8	154.2
4	4.500	.237	200.5	219.6
5	5.563	.258	272.5	-
6	6.625	.280	353.3	386.1
8	8.625	.322	538.0	581.1
10	10.750	.365	755.0	823.8
12	12.750	.406	1001.0	1089.2
14	14.000	.438	1180.1	-
16	16.000	.500	1543.1	-

Note: All dimensions are in inches.

PVC and CPVC Schedule 80 Pipe

Nominal Pipe Size (in.)	Outside Diameter	Min. Wall	Approximate Wt. (lbs/100ft)	
			PVC	CPVC
¼	.540	.119	10.0	10.9
⅜	.675	.126	13.8	15.0
½	.840	.147	20.4	22.1
¾	1.050	.154	27.0	30.0
1	1.315	.179	41.0	44.2
1¼	1.660	.194	52.2	61.0
1½	1.900	.200	66.8	73.9
2	2.375	.218	94.5	102.2
2½	2.875	.276	144.5	155.9
3	3.5	.300	194.2	208.6
4	4.5	.337	275.2	304.9
5	5.563	.375	387.3	-
6	6.625	.432	541.5	581.5
8	8.625	.500	805.2	882.9
10	10.750	.593	1200.0	1309.1
12	12.750	.687	1650.0	1801.2
14	14.000	.750	1930.0	-
16	16.000	.843	2544.1	-