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John Ramin  
Pacific Plastics Inc.  
111 S. Berry St.  
Brea, CA 92821

RESEARCH REPORT: RR 5408  
EFFECTIVE DATE: 03/01/2019  
EXPIRATION DATE: 03/01/2020  
Telephone: 714-990-9050

**GENERAL APPROVAL - Renewal** - "Pacific Cal" PVC pipes for water and sewer applications.  
See attached list of approved sizes and classes/schedules.

## DETAILS

These products are white, brown, and purple colored poly (vinyl chloride) (PVC) pipes made in various diameters and wall thicknesses. The purple colored pipe is for reclaimed water systems. Water piping is manufactured in accordance with Standards ASTM D1785 and/or ASTM D2241. Sewer piping is manufactured to ASTM D3034. These pipes are currently listed by NSF International.

The approval is subject to the following conditions:

1. These pipes are approved for use in locations where PVC pipes are approved in accordance with the Los Angeles Plumbing Code (LAPC), 2017 Edition.
2. This approval is not an authorization for use in fire protection systems. Separate approval or listing is required for PVC pipes to be installed in fire protection systems.
3. These PVC pipes are approved for the following applications:
  - a. Pipes labeled NSF-pw are approved for potable water applications.
  - b. Pipes labeled ASTM D1785 are Schedule 40 and 80 pipes approved for cold water applications.
  - c. Pipes labeled ASTM D2241 are SDR pipes approved for cold water applications.
  - d. Pipes labeled ASTM D3034 are Type PSM (SDR 35) pipes approved for sewage applications conveying non-pressure drainage.

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4. Purple colored pipe shall only be used in reclaimed water systems. There shall be no direct connections made between any potable water systems and any pipe carrying reclaimed water even with a backflow preventer.
5. Solvent cement complying with the Standard ASTM D2564 with an approved primer shall be used for joining these piping systems.
6. Pipes installed for cold water building supply applications shall be installed in accordance with the manufacturer's installation guidelines and the LAPC, 2017 Edition.
7. Pipes installed for sewer applications shall be installed in accordance with the manufacturer's installation guidelines and the LAPC, 2017 Edition.
8. Only approved fittings shall be used in the installation of these systems.
9. Piping for water shall be marked to include the following:
  - a. Manufacturer's name
  - b. Nominal pipe size,
  - c. Type of Plastic, PVC1120
  - d. Schedule of piping,
  - e. Pressure rating for water at 73F
  - f. ASTM designation, ASTM D1785 or ASTM D2241
  - g. Production code with which the manufacturer can trace the year, month, day, shift, plant and extruder
  - h. Third party certification mark
10. Piping for sewer applications shall be marked to include the following:
  - a. Manufacturer's name
  - b. Nominal pipe size
  - c. The PVC cell classification
  - d. Standard dimension ratio followed by "PVC Sewer pipe"
  - e. "ASTM D3034"
  - f. Third party certification mark

## **DISCUSSION**

Mechanical Testing Laboratory reviewed recent test reports and current listing certificates. material and construction are equivalent to that prescribed by the Los Angeles Municipal Code in quality, strength, effectiveness, durability and safety.

For this General Approval to be valid on any individual construction project in the City of Los Angeles, an engineer or inspector of the Department of Building and Safety must make a determination that all conditions of the General Approval required to provide equivalency have been met in the case of each construction project under consideration.

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This approval is granted under Sections 94.301, 94.313.5, 705.1.2 & 605.2.2, 94.603, 94.604, 94.715 and Table 1701.1 of LAPC, 2017 Edition.

Approved by:



Cristina Acevedo-Leija  
Mechanical Testing Laboratory  
Permit and Engineering Bureau

Pacific Plastics Inc.  
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**RR-5408: List of Pipe Schedules and Classes**

**PVC pipes for sewer applications:**

Type PSM (SDR 35) - Bell end or gasketed pipe - in sizes 4", 6", 8", 10", 12", and 15"

Note: This pipe is also available factory perforated and may be installed where perforated PVC pipe is allowed by LAPC, 2017 Edition.

**PVC pipes for cold water applications:**

Plain End

Schedule 40 - ½", ¾", 1", 1-¼", 1-½", 2", 2-½", 3", 4" and 6"

Schedule 80 - ½", ¾", 1", 1-¼", 1-½", 2", 2-½", 3", 4" and 6"

Class 160 (SDR 26) - 1-¼", 1-½", 2", 2-½", 3" and 4"

Class 200 (SDR 21) - ¾", 1", 1-¼", 1-½", 2", 2-½", 3", and 4"

Class 315 (SDR 13.5) ½", 2", 3" and 4"