



# Submittal Information for Spears® Manufacturing Company PVC Schedule 40 Solid Wall Pipe & DWV Fitting System

Date: \_\_\_\_\_

GSDWV40-1021

Job Name: \_\_\_\_\_ Location: \_\_\_\_\_

Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_

### Scope:

This submittal covers Spears® PVC Schedule 40 solid wall pipe and PVC DWV fittings intended for use in sanitary drain, waste and vent and non-pressure applications where the application operating temperature does not exceed 140° F (63°C).

### Product Specification

Spears® PVC schedule 40 pipe and DWV fittings shall be manufactured in the U.S.A. from a Type I, Grade I Poly Vinyl Chloride (PVC) compound having a minimum cell classification of 12454 in accordance with ASTM D1784. Pipe shall be dual marked for pressure and DWV applications and manufactured in strict compliance to ASTM standards D1785 and ASTM D2665. DWV fittings shall conform to ASTM D2665. Fabricated DWV fittings shall conform to ASTM F1866. These products shall be certified by NSF International in accordance with Standard 14. Spears® PVC schedule 40 pipe and DWV fittings shall be capable of withstanding a vacuum of twenty-six inches of mercury (Hg) at 73° F (23° C) when subjected to a one hour test with a leak factor of not more than one inch of Hg.

### Product Marking

All pipe shall be dual marked PVC schedule 40 and DWV and shall be marked with NSF® Listing, applicable ASTM Standard and applicable pressure @ 73° F. (23°C). PVC Schedule 40 Fittings shall be engraved with markings required by ASTM Standard and bear an NSF® Listing Standard for Drain, Waste and Vent applications.

### Installation:

Installation for DWV systems shall comply with current installation instructions published by Spears® Manufacturing Company, established industry practices and all applicable code requirements. Buried pipe shall be in accordance with ASTM D2321 and ASTM F1668. The piping system shall be joined using a two-step solvent cement joining process with primer conforming to ASTM F656 and solvent cement conforming to

ASTM D2564. The system shall be protected from ultra violet (UV) light exposure from the sun or other source and protected from any chemicals that are not compatible with the PVC materials including but not limited to fire stopping materials, plasticizers, incompatible thread sealants etc.

**NOTE:** A hydrostatic leak test shall consist of a minimum of ten (10) foot (3048 mm) head for entire DWV system or section tested.

### Referenced Standards:

- ASTM D1784 – Rigid Vinyl Compounds
- ASTM D1785 – PVC Schedule 40, 80 & 120 Pipe
- ASTM D2321 – Underground Installation of Thermoplastic Pipe (Non-pressure applications)
- ASTM D2564 – Solvent Cements for PVC Pipe & Fittings
- ASTM D2665 – PVC Drain, Waste & Vent Pipe & Fittings
- ASTM F656 – Primers for PVC Pipe & Fittings
- ASTM F1668 – Procedures for Buried Plastic Pipe
- ASTM F1866 – Fabricated PVC DWV Fittings
- NSF International - Standard 14 – DWV

### Approvals:

NSF® – NSF International- Standard 14 – Drain, Waste and Vent

### Features:

- Lightweight
- Corrosion Resistant
- Long Service Life

### PROJECT APPROVAL

Approved: \_\_\_\_\_

PRINT

Sign: \_\_\_\_\_

Date: \_\_\_\_\_

