

NAPSYS™-HR PVC DWV Pipe and Fittings Certification

To Whom it May Concern:

NAPSYS™-HR PVC Drain, Waste, and Vent pipe, fittings (sizes 1 ½" through 12"), solvent cement, and primer, provided by Westlake Pipe & Fittings, are certified to **CSA B182.1** and meet the requirements of **ASTM D2665**. The PVC compounds used to manufacture the pipe and fittings meet a cell classification of 12454 when tested according to **ASTM D1784**.

The compounds have achieved Flame Spread Ratings/Smoke Developed Classifications as shown below, when tested by Intertek Testing Services as per **CAN/ULC S102.2**.

| | | |
|------------------------------------|-------|--------|
| Pipe | FSR 0 | SDC 50 |
| Molded Fittings | FSR 0 | SDC 40 |
| Fabricated Fittings | FSR 0 | SDC 50 |
| NAPSYS™-HR PVC DWV Pipe & Fittings | FSR 0 | SDC 50 |

The above noted flame and smoke ratings meet the requirement in the **National Building Code (NBC) Article 3.1.5.19** for use in high rise non-combustible building construction.

Pipe and fittings are light grey in colour; pipe is available in 12 ft, plain end (1 ½" to 12") and 20 ft, bell end (above 12").

Solvent Cement and primer for assembling this product is available from Westlake, in medium bodied and heavy-bodied viscosity. These products are certified to CSA B182.1 and meet **ASTM D2564**. The VOC level for the solvent cement is 486 grams/litre (medium bodied, 1 Step) and 508 grams/litre (heavy bodied, 2 Step) (SCAQMD Test Method 316A). VOC level for the primer is 409 grams/litre (SCAQMD Test Method 316A).

Westlake

Pipe & Fittings

Certifications are based on the applicable edition of the reference standard in effect on the date of manufacture. If we may be of further assistance, please contact Technical Services at technical@westlakepipe.com.

Sincerely,

Westlake Pipe & Fittings

Reference Standards:

- **CSA B181.2** *Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings*
- **CAN/ULC S102.2** *Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies*
- **ASTM D1784** *Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*
- **ASTM D2564** *Standard Specification for Solvent Cements for Poly(Vinyl Chloride)(PVC) Plastic Piping Systems*