



Certa-Lok® CLIC™ Integral Bell PVC Well Casing Certification

To Whom It May Concern:

Certa-Lok® CLIC™ Integral Bell PVC Well Casing (sizes 4", 4-1/2" & 6", Schedule 40; 5" Schedule 80; 5", 6" & 6.9" SDR21; 4.5", 5", 6", 6.9", 8", 10" & 12"; SDR 17) provided by NAPCO, is manufactured in accordance with the dimensions, materials, quality control, and marking specifications found in **ASTM F480**. There is also a 6.9" DR14 size for wells which require a stronger wall product. This product is not included in ASTM F480, but uses the same Certa-Lok CLIC Integral Bell joint technology. The PVC material conforms to a minimum cell classification of 12454 as defined by **ASTM D1784**. Standard well casing has a lay length of 20 feet. Pipe and fittings supplied for well casing applications are white in color.

The Certa-Lok CLIC Integral Bell PVC Well Casing pipe system provides a restrained joint by utilizing precision-machined grooves on the pipe spigot and inside the pipe bell. The gasket and CLIC spline are factory installed. When assembling, the spigot end of the casing fully depresses the CLIC spline into the bell spline groove. The CLIC spline snaps into the spigot spline groove upon full assembly, resulting in a continuous circumferential restrained joint that locks the segments of pipe together. A flexible elastomeric gasket located in a groove in the pipe bell provides a hydraulic pressure seal between the spigot and bell.

The 4" through 8" products are supplied with Teflon coated acrylonitrile-butadiene rubber (NBR) gaskets. The 10" and 12" products are supplied with Teflon coated IR/SBR gaskets. All gaskets meet the requirements of **ASTM F477**. Certa-Lok CLIC Integral Bell PVC Well Casing using these gaskets is safe for potable water usage and is listed by NSF International to **NSF 14** and **NSF 61**. (ASTM F480 does not cover gasketed joints, so the NSF 14 listing only covers the casing by itself.) Our Certa-Lok Well Casing fittings are made from PVC well casing or pipe that also is listed in **NSF 61**.

Certa-Lok CLIC Integral Bell PVC Well Casing meets the following impact classes per **ASTM F480**:

- IC-0 – 4", 4-1/2"
- IC-1 – 5", 6", 6-1/8", 6-1/4", 8", 10", 12"

Our Certa-Lok CLIC Integral Bell PVC Well Casing is offered in a variety of slotted options to be used in well or underdrain applications.

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

Sincerely,

NAPCO



Reference Standards:

- **ASTM D1784** *Standard Specification for Rigid Poly(Vinyl Chloride) (PVC) Compounds and Chlorinated Poly(Vinyl Chloride) (CPVC) Compounds*
- **ASTM F477** *Standard Specification for Elastomeric Seals (Gaskets) for Joining Plastic Pipe*
- **ASTM F480** *Standard Specification for Thermoplastic Well Casing Pipe and Couplings Made in Standard Dimension Ratios (SDR), SCH 40 and SCH 80*
- **NSF 14** *Plastics Piping System Components and Related Materials*
- **NSF 61** *Drinking Water Components – Health Effects*