

# Appian Way™ Pedestal System

\*Top Shims: 1/8" and 1/16" thick, lock to Top Cap

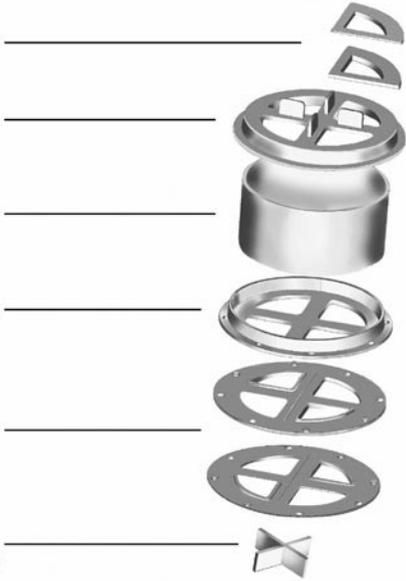
\*Top Cap: 1/2" inch high with 1/8" Joint Spacers

4" diameter PVC Pedestal cut to varying heights

\*Bottom Cap: 1/2" high with smooth protective edges

\*Bottom Shims: 1/8" and 1/16" thick, lock to Bottom Cap

\*Spacer: 1" long x 1/2" high x 1/8" thick used with Bottom Shim for heights lower than 1/2"



## PRODUCT DESCRIPTION

The Appian Way™ pedestal system consists of 6 standard pieces and the recommended Schedule 30/34 diameter PVC pipe:

- ♦ Top Cap
- ♦ Bottom Cap
- ♦ Top Shims of 1/16" and 1/8"
- ♦ Round Bottom Shims of 1/16" and 1/8"

The PVC pipe allows the Appian Way to vary in heights up to 20+ inches. The standard 1/8" spacer (3/16" and 1/4" spacers are also available) on the top cap allows for an open joint and proper alignment of the pavers.

The top cap can be used by itself in areas where the required height is less than one inch. The top cap is 1/2" in height, if required a 1/16" or 1/8" bottom shim locks into the bottom of the top cap. Once 1" in height is obtained, the top and bottom cap can be used with PVC and 1/8" and 1/16" bottom shims.

The round bottom shims have a unique "V" groove, which allows them to be broken in half and stacked on the bottom for those areas that are sloped more than the typical 2%. They lock to each other and to the bottom cap to impede movement of the pedestal.

A typical installation would start off with a threshold of a door, or control point provided by the architect or contractor. The first height of the Appian Way pedestal is then determined. A standard chop saw (with fine tooth blade (12") compatible with plastic) can cut the PVC pipe to the desired height. An installer then cuts the PVC pipe to the required height, less 1/4" for top and bottom cap insets. (Example, a 2" high pedestal needs to have a piece of PVC cut 1-3/4".)

The "press fit" connection of the top and bottom cap to the PVC pipe requires no gluing or other attachments. Both the wedge top shims and round bottom shims can be used for "fine tuning" proper height if required. All top shims and bottom shims lock into place, and all six pieces (if used) interlock, allowing no paver movement and a level surface. The weight of the concrete paver will keep the system in place.

For proper heights lower than 1/2" the Appian Way standard cross 1" long 1/2" high and 1/8" thick can be used with the Appian Way standard 4" x 4" square shim, both in 1/16" and 1/8" thickness (though we recommend that if construction permits, it is always preferable to have at least a 1" gap under pavers to allow for airflow and water movement).

The 4" PVC used in the Appian Way is 3034. It is an off-the-shelf product, standard in North America with the outside dimension of 4.215" which matches the inside diameter of the Appian Way top and bottom cap.

The (3034) PVC 4.210" OD 5" up to 27" compression tested 11,000 to 13,200 psi.

(NOTE: all testing done with both top and bottom Appian caps in place.)

## FORMULA FOR CALCULATING PEDESTALS

### Example #1

#### Materials used:

24" x 24" Slabs (4 SF per slab)

#### Square Feet Coverage:

1000 SF (20' x 50')

#### Formulas:

1,000 SF / 4 SF = 250 Slabs & Appian Ways needed

#### Calculation of Perimeter (Lineal feet)

20' x 50' area = 140 lineal foot perimeter

140' x 12" = 1,680"

1,680" / 24" (length of slab) = 70 pedestals

**Total:** 250 + 70 = 320 pedestals needed

\* Calculation of perimeter should include inner spaces such as planters

### Example #2

#### Materials Used:

18" x 18" Slabs (2.25 SF per slab)

#### Square Feet Coverage:

800 SF (20' x 40')

#### Formulas:

800 SF / 2.25 SF = 320 Slabs & Appian Ways needed

#### Calculation of Perimeter (Lineal feet)

20' x 40' area = 120 lineal foot perimeter

120' x 12" = 1,440"

1,440" / 18 (length of paver) = 80 pedestals

**Total:** 320 + 80 = 400 pedestals needed