

 **ASTRAL<sup>®</sup>**  
**PIPES**

**DRAINAGE KA KITNA BHI HO LOAD.  
ASTRAL FOAMCORE SAALON CHALEGA.**



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**ASTRAL**  
**Foamcore<sup>®</sup>**  
**PVC PIPE**  
FOR DWV & UNDERGROUND SYSTEMS

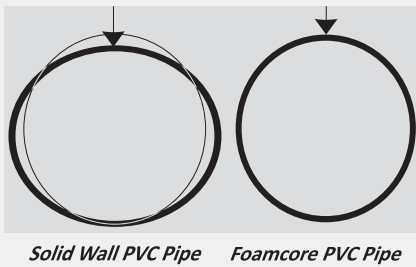
## WHAT IS FOAMCORE® PIPES ?

Foamcore® pipes are basically multilayer pipes having outer and inner layers of conventional PVC and middle layer of foamed PVC. Outer and inner layers are designed to take the load and middle layer of foamed PVC gives rigidity and maintains the shape of the pipe under load. It reduces total weight of pipe and makes it light when compared to solid wall PVC pipes.



## WHY FOAMCORE® PIPES ?

The pipe on the left is typical of solid wall PVC under load and the type of distortion normally expected. The Foamcore pipe on the right, under equal load, distributes the load more evenly and does not show the same amount of distortion, as it has unique "I-Beam" structure. Due to its ability of absorbing the load, Foamcore® pipes are most suitable for underground drainage systems, where soil exerts a lot of pressure on pipe surfaces. In solid wall pipes this soil pressure will rupture the pipe after some time where Foamcore pipes give better life as foamed PVC layer will absorb pressure and make pipes "stress free" in working conditions.



## PRODUCT STANDARDS

ASTRAL Foamcore® pipes are manufactured as per European and International standards published under structure wall pipes for drainage and sewerage and are mainly based on stiffness classes. These specifications are very well adopted at global levels and are in used for more than 25 years.

## PRODUCT AVAILABILITY

ASTRAL Foamcore® pipes are available in 110 mm to 315 mm with different stiffness classes mainly categorized as SN2, SN4 & SN8. SN2 pipes are recommended for above ground applications while SN4 & SN8 pipes are recommended for below ground applications depending on the level at which these pipes have to be installed.

## RINGFIT PIPES



Ringfit pipes are socketed on automatic online socketing machine with very high degree of accuracy. The socket has groove inside for rubber ring. The rubber ring ensures trouble free water tight joint with allowance to thermal expansion / contraction. One end of the pipe is plain and other end is self socketed with an integral groove to hold the rubber gasket. When joined with a rubber ring, the joint formed is a trouble free, water tight one, ready to take care of thermal expansion / contraction.

**AVAILABLE SIZES : 110 mm & 160 mm**

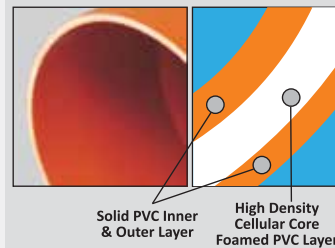
## SELFIT PIPES



Selfit pipes are socketed on automatic socketing machine with self socket length (without groove). Such pipes are to be joined with solvent cement. One end of the pipe is plain and the other end is self socketed on sophisticated automatic machines for high degree of accurate diameters. The pipes when joined using solvent cement, form a permanent water tight joint.

**AVAILABLE SIZES :**  
**110 mm, 160 mm, 200 mm, 250 mm & 315 mm**

## UNIQUE FEATURES AND BENEFITS



"Foamcore" uPVC pipes are suitable for residential and commercial drain, waste & vent piping systems for both underground and above ground applications with top quality raw materials and state-of-the-art processing technology, ASTRAL® Foamcore pipes meet all industrial standards in addition to our own rigorous quality control standards.

## PRODUCT DIMENSIONS

NOMINAL RING STIFFNESS SN (KN/M <sup>2</sup> )	2	4	8
DIMENSION RATIO (SDR)	51	41	34
NOMINAL DIAMETER DN (mm)	Wall Thickness (mm)		
110	-	2.7 + 0.5	3.2 + 0.5
160	3.2 + 0.5	4.0 + 0.6	4.7 + 0.7
200	3.9 + 0.6	4.9 + 0.7	5.9 + 0.8
250	4.9 + 0.7	6.2 + 0.8	7.3 + 1.0
315	6.2 + 0.8	7.7 + 1.0	9.2 + 1.2



**ASTRAL TOLL FREE**  
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Please get in touch with us between 10 a.m. to 6 p.m.

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AFC/SP/004  
REV:07/11/16