



A
LOOK
INSIDE
YOUR
PLUMBING
VENTILATION,
SANITATION
AND
DRAINAGE
SOLUTIONS.



Where innovation flows...

ASTRAL has been the first company to bring piping innovations in India

- First to introduce CPVC piping system in India (1999)
- First to launch lead free uPVC piping system in India (2004)
- Corp Excel- National SME Excellence Award (2006)
- First to get NSF Certification for CPVC piping system in India (2007)
- First to launch lead free uPVC column pipes in India (2012)
- Enterprising Entrepreneur of the year 2012-13
- Business Standard Star SME of the year (2013)
- Inc. India Innovative 100 for Smart Innovation under category of "Technology" (2013)
- India's Most Promising Brand Award (2014)
- Value Creator Award during the first ever Fortune India Next 500 (2015)
- India's Most Trusted Brand Award (2015)
- India's Most Trusted Pipe Brand Award (2016)
- ET Inspiring Business Leaders of India Award (2016)
- India's Most Attractive Pipe Brand Award (2016)
- Fortune India 500 Company (2016)
- Consumer Validated Superbrands India (2017)



ONLY THOSE PRODUCTS BEARING THE ABOVE MARKS ARE CERTIFIED

Index

About Astral	01
Quality Approvals & Certifications	02
Business Partners	03
Astral Product Range	04
Ultradrain	05
■ Key Properties and Benefits	06
■ Product Specifications	07
■ Testing Requirements	08
■ Astral Ultradrain® Grooved Type Fittings	09 - 12
■ Astral Ultradrain® Pasting Type Fittings	13 - 16
■ Astral Ultradrain® Fabricated Fittings	17
■ Solvent Weld Joining Method	18
DrainMaster	19
■ Introduction	20
■ Key Properties and Benefits	21
■ Astral Drainmaster™ Pipes & Fittings / Testing Requirements	22
■ Astral Drainmaster™ Fittings	23 - 27
■ Astral Drainmaster™ Installation	28
DWV	29
■ Key Properties and Benefits	30
■ Dwv Foamcore Pipes / Foamcore Pipes Advantages	31
■ Click Ring Fittings Advantages	32
■ uPVC Drain Waste & Vent System	33 - 36
Gully Traps	37 - 38
■ uPVC Traps	39
■ Installation of Traps & Testing The System	40
■ Handling and Storage	41 - 42
Foamcore	43
■ Key Properties and Benefits	44
Underground	45 - 46
■ Key Properties and Benefits	47
■ Installation Procedure -315 & 450 mm Chambers	49
■ Installation - 450mm Chamber	50
■ Astral® Gullies	51
■ Astral® Surface Channel	52
■ Specially Developed Fittings	53
■ Standard Fittings	54
Drain Hulk	55 - 57
Surface Channels	58 - 59
Product Range	60

About Astral

Astral Poly Technik Limited was established in 1996 with the aim to manufacture pro-India plumbing and drainage systems for the Indian market. While serving the plumbing needs of millions of houses, the company adds extra mileage to India's developing real estate fraternity. Our contribution to the plumbing industry in the form of being pro-innovative bears the hallmark of unbeaten quality. Astral Poly Technik Limited is equipped with production facilities at Santej & Dholka (Gujarat), and Hosur (Tamil Nadu) to manufacture Plumbing systems, Drainage systems, Agriculture and Electrical Conduit Pipes with all kinds of necessary fittings.

We are also known as pro- customers' company as we serve with an intention of taking excellence to new heights. Through our quality products and services we have also achieved the benchmark of being Pro-India Company in numerous ways.





Quality approvals & Certifications

Astral regularly test the finished products by testing its resistance to impact and pressure as well as other ASTM or DIN tests. In addition, they regularly test pipes, randomly selected from the market place. Various testing methods like OD/ID (Dimension) checking, Flattening, Burst pressure, Drop Impact, Heat Reversion etc. are carried out at regular intervals to keep quality very high.

In order to deliver consistent high quality pipes and fittings to end users, Astral has a Quality Assurance Program. This Quality Assurance Program intends quality levels to exceed the requirements of ASTM and other industrial standards. The program also includes regular visits of partners from USA to upgrade and to implement Quality Assurance Plan effectively.

भारतीय मानक ब्यूरो
BUREAU OF INDIAN STANDARDS

Address: Plot No. 10, Phase I,
Constitution Road, New Delhi
110 068
Phone: 011-2302 4000
Fax: 011-2302 4001
E-mail: bsi@bira.org.in
Web: www.bira.org.in

Attachment Branch Office

ATTACHMENT TO LICENCE NO. CML- 375921

CML NO.	NAME OF THE LICENCEE (FIRM/ADDRESS)	PRODUCT	IS NO.
375921	ASTRA PIPE SYSTEMS LIMITED BLOCK NO. 101, VILLAGE RAJAPUR, INDUSTRIAL AREA, OFF G.D.C. EXTENSION, P.O. CHANDRA - 160016 Jalandhar	Low pressure hot and cold water polypropylene pipes, polypropylene fittings, polypropylene manholes and associated system	IS 1592 : 1992

ENDORSEMENT NO. 2 Dated 28 January 2012

Reserved for a further period of two years from Twentieth January Two Thousand and Fifteen to Twentieth January Two Thousand and Seventeen.

Other terms and conditions of Licence remain the same.

(Dr. S. L. PALLAB)
SCIENTIST & HEAD

IS 13592 : 1992

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Web: www.bira.org.in

Attachment Branch Office

ATTACHMENT TO LICENCE NO. CML- 797438

CML NO.	NAME OF THE LICENCEE (FIRM/ADDRESS)	PRODUCT	IS NO.
797438	ASTRA PIPE SYSTEMS LIMITED BLOCK NO. 101, VILLAGE RAJAPUR, NEAR ROAD NO. 17, INDUSTRIAL AREA, JALANDHAR, (Distt. JALANDHAR)	Unreinforced polypropylene pipes for domestic and industrial use and also for carrying water for domestic and industrial use including polypropylene fittings	IS 14735 : 1999

ENDORSEMENT NO. 4 Dated 28 January 2012

Consent to the shifting of the factory, the address on the licence is changed with effect from the date of endorsement.

101, OFF LINE BIRKRA,
VILLAGE RAJAPUR,
TAL. BIRKRA,
DIST. JALANDHAR (PUNJAB)

Other terms and conditions of Licence remain the same.

(Dr. S. L. PALLAB)
SCIENTIST & HEAD

IS 14735 : 1999

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Web: www.bira.org.in

Attachment Branch Office

ATTACHMENT TO LICENCE NO. CML- 291086

CML NO.	NAME OF THE LICENCEE (FIRM/ADDRESS)	PRODUCT	IS NO.
291086	ASTRA PIPE SYSTEMS LIMITED BLOCK NO. 101, VILLAGE RAJAPUR, INDUSTRIAL AREA, OFF G.D.C. EXTENSION, P.O. CHANDRA - 160016 Jalandhar	Unreinforced wall plastic pipes and fittings for cold and hot water supply and drainage and also for carrying water for domestic and industrial use	IS 16098 : Part 1 : 2013

ENDORSEMENT NO. 1 Dated 28 January 2012

Reserved for a period of one year from Twentieth September Two Thousand Fifteen to Eighteenth September Two Thousand Sixteen.

Other terms and conditions of Licence remain the same.

(Dr. S. L. PALLAB)
SCIENTIST & HEAD

IS 16098 : Part 1 : 2013

Business Partners

SEKISUI

SEKISUI INC. was established in 1947 in order to run general plastic business in Japan. In 1948 changed the company name to SEKISUI CHEMICAL CO. LTD. SEKISUI began producing CPVC some 40 years ago in 1974. Its CPVC is high-quality, stable product achieved as a result of the sophisticated technologies and quality controls that SEKISUI has accumulated over that long history.



SPEARS® broad product line offers a complete selection of 1/8" through 12" injection molded fittings and fabricated fittings through 48", many specialty products, and a full complement of manual and mechanically actuated thermoplastic valves in a variety of types, sizes, and configurations.

IPS

IPS Corporation was the first company to produce a reliable cement for use with PVC and CPVC pipe and fittings. IPS products are recognized for their labor saving efficiency and convenience.

SUBSIDIARIES

RESINOVA®
an  **ASTRAL** company

Resinova manufactures a diversified range of adhesives, sealants, putties and construction aids. Our products are mostly pioneering efforts where advantages has been taken of our knowledge of different chemistries such as epoxy, silicones, acrylics, cyanoacrylates, UV care, PVA etc. Our products stand for quality and reliability and are marketed through a network of about more than 2000 distributors and 4,50,000 dealers across the country.

bond it - UK
an  **ASTRAL** company

For almost two decades, Bond It has been a manufacturer of high performance, high quality building chemicals such as sealants, adhesives, grouts, cleaners, expanding foams, fillers, decorating sundries, landscaping products and other similar products.

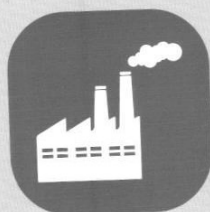
bond it - USA
an  **ASTRAL** company

Seal IT Services Limited, a UK based subsidiary of the Astral Poly Technik Ltd. has entered into U.S. market by acquiring silicone tape business of Rowe Industries Inc., USA.

Astral Product Range



PLUMBING



INDUSTRIAL



DRAINAGE



FIRE PROTECTION



AGRICULTURE



ELECTRICAL CONDUIT



ANCILLARY

ASTRAL[®] ULTRADRAIN[®] CONVENTIONAL SYSTEM



PROFILE

Astral Ultradrain[®] is a uPVC conventional drainage system for soil, waste and rain water. This system enables fast and efficient removal of waste without blockage and leakage. Its high impact strength, chemical and corrosion resistance. Long life and virtually zero maintenance have made Astral Ultradrain[®] system a preferred drainage and rain water system among architects, builders and plumbing contractors.

The state of the art equipments and virgin raw material used to produced Astral Ultradrain[®] SWR system. The system is available from 75mm to 160mm. the entire range is manufactured as per internationally accepted quality standards and specifications.

APPLICATIONS

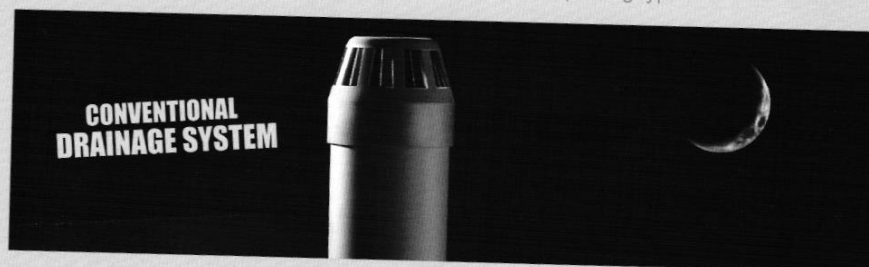
Astral Ultradrain[®] drainage system can be applicable at houses, offices, hotels, commercial complex, industries, hospitals as well as at airports, railway stations, stadiums, theaters etc. for waste discharge, ventilation and rain water management.

ADVANTAGES

Specially designed Astral Ultradrain[®] drainage system offers numerous advantages over conventional drainage systems. A large numbers of dealers, distributors and field staff are always on to for uninterrupted supply of products to the end users.

AVAILABLE SIZE

75 mm, 90 mm, 110 mm, 160 mm (Type A & B) groove and pasting type.



KEY PROPERTIES AND BENEFITS



STRONGER, RESILIENT & LIGHT WEIGHT

Astral Ultradrain® system is highly resilient and tough with good mechanical strength and high impact resistance. At the same time this system is very light in weight which gives highest benefit to the end user in terms of transportation, installation and long service life.



CORROSION RESISTANCE

The inert nature of Astral Ultradrain® uPVC drainage system provide complete corrosion resistance and renders wrapping, coating and lining unnecessary. It also ensures that uPVC sewer and drainage pipes have long operational life compared to conventional asbestos or cast iron systems.



NON CONDUCTIVE

Astral Ultradrain® uPVC drainage system is a non conductor of electricity and is therefore not subject to galvanic or electrolytic action.



CHEMICAL RESISTANCE

Astral Ultradrain® uPVC drainage system is inert to most of the acids, alkalis, effluents, salts, minerals and aggressive soils. The system remains unaffected by transportation of such type of media and gives longer life with trouble free service.



FLAMMABILITY

Astral Ultradrain® uPVC drainage system does not support combustion and is inherently difficult to ignite. It also stops burning once the source of heat is removed.



UV STABILIZED

Astral Ultradrain® uPVC drainage system is UV stabilized which gives protection to the system while being operational in direct sun light.



HIGH FLOW RATES

Extremely smooth bores, precision joints and lack of internal projections ensure unrivaled hydraulic capacity over the total life of the system.



QUICK & EASY INSTALLATIONS

Astral Ultradrain® pipes and fittings can be joined together with rubber ring or solvent weld system. These techniques are very simple and ensure 100% leak proof system at a reduced installation time with lower maintenance.



VERSATILE AND ELEGANT

The physical properties of PVC allow designers a high degree of freedom while designing with Superb finished pipes and fittings.



ECONOMICAL

Astral Ultradrain® uPVC drainage system is more cost effective than any other conventional drainage systems available in market.



ENVIRONMENTAL IMPACT

uPVC has a lower feedstock energy especially compared to other polymers and common building materials. It is the least energy intensive of all thermoplastics. In life cycle analysis and independent studies, PVC's environmental impact has been found most favorable, so the more usage of PVC will greatly help to keep our global natural resources intake for longer period of time. It does not pollute air, water or land during manufacturing or service life and can be recycled after prolonged service life.

PRODUCT SPECIFICATIONS

ULTRADRAIN PIPES

Astral Ultradrain® ISI marked pipes are available in both ringfit & selfit pipe with two different class of pipes named as "TYPE A" & "TYPE B". TYPE A pipes are recommended for use in ventilation and rain water applications while TYPE B pipes are recommended for soil and waste discharge applications. Pipes are available in all sizes and in different lengths with single socket and double socket.

RINGFIT PIPES - (Type A & Type B)

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 the other 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.

Sizes : 75 mm, 90 mm, 110 mm, 160 mm



IS 13592



CM/L-3795282

SELFIT PIPES - (Type A & Type B)

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 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.

Sizes : 75 mm, 90 mm, 110 mm, 160 mm



NOMINAL DIAMETER	MEAN OUTSIDE DIAMETER		TYPE A WALL THICKNESS		TYPE B WALL THICKNESS	
	Min.	Max.	Min.	Max.	Min.	Max.
75	75.0	75.3	1.8	2.2	3.2	3.8
90	90.0	90.3	1.9	2.3	3.2	3.8
110	110.0	110.4	2.2	2.7	3.2	3.8
160	160.0	160.5	3.2	3.8	4.0	4.6

All dimensions are in mm and are same for Ringfit and Selfit pipes. Only socket geometry is different.

ULTRADRAIN FITTINGS

Astral Ultradrain® ISI marked fittings are available in both grooved ring and pasting type in full range starting from 75 mm to 160 mm and are fully compatible with Astral Ultradrain® Pipes.

GROOVED RING TYPE

Grooved ring type fittings are self socketed with groove to hold the rubber ring. The grooves are made on highly accurate online socketing machines that give highest quality, performance and satisfaction.



PASTING TYPE

Pasting type fittings are self socketed on highly automatic machines. These fittings are to be joined with solvent cement.



IS 14735



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