

EASY. EFFECTIVE. ENDURING.

PIPE *Fi*XTM

An extensive range of **Solvent Cements**

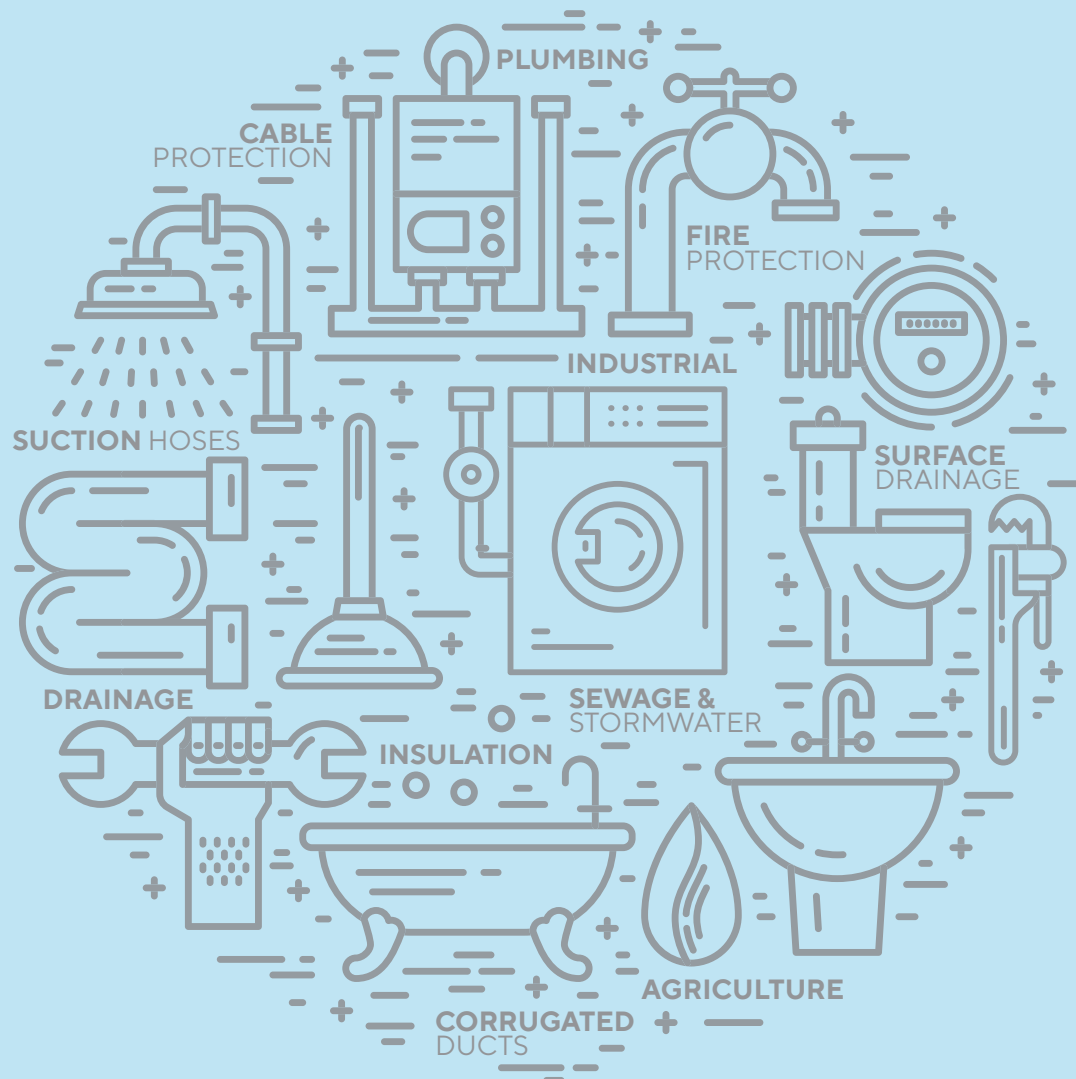


**1st TO
INTRODUCE
CPVC
IN INDIA**

**1st TO
INTRODUCE
UPVC LEAD
FREE PIPES
IN INDIA**

**1st TO
INTRODUCE
LOW NOISE
PP DRAINAGE
PIPES IN INDIA**

**1st TO
INTRODUCE
FOAMED PVC
DRAINAGE
PIPES IN INDIA**



**1st TO
INTRODUCE
LEAD FREE
COLUMN PIPES
IN INDIA**

**1st TO
INTRODUCE
POLYMER BASED
INDUSTRIAL
PIPING SYSTEM
IN INDIA**

**1st TO
INTRODUCE
NSF APPROVED
SOLVENT
CEMENT
IN INDIA**

**1st TO
INTRODUCE
CPVC PIPING FOR
AUTOMATIC
FIRE SPRINKLER
SYSTEM IN INDIA**

ASTRAL, INDIA'S PROGRESSIVE BUILDING MATERIALS COMPANY

Established in 1996 with the aim to manufacture best-in-globe plastic piping systems, Astral Pipes fulfils emerging piping needs of millions of houses and adds extra mileage to India's developing real estate fraternity with the hallmark of unbeaten quality and innovative piping solutions. Keeping itself ahead of the technology curve, Astral has always been a front runner in the piping category by bringing innovation and getting rid of old, primitive and ineffective plumbing methods. Bringing CPVC in India, and pioneering in this technology, have set Astral apart and its highest quality enabled it to obtain NSF approval for its CPVC pipes and fittings. Astral went beyond the category codes by launching many industry firsts, like launching India's first lead-free uPVC pipes for plumbing as well as for stream water, just to name a few.

Astral Pipes offers the widest product range across this category when it comes to product applications. Astral Pipes is equipped with production facilities at Santej and Dholka in Gujarat, Hosur in Tamil Nadu, Ghiloth in Rajasthan, Sangli & Aurangabad in Maharashtra, and Sitarganj in Uttarakhand to manufacture plumbing systems, drainage systems, agriculture systems, fire sprinkler piping systems, industrial piping and electrical conduit pipes with all kinds of necessary fittings.

Astral Pipes' Infrastructure division Rex offers a comprehensive product range including corrugated piping for drainage and cables, polyolefin cable channels, sewage treatment plants, plastic sheathing ducts, suction hoses, and sub-surface drainage systems. This range helps Astral to establish a strong foothold in infrastructure and agriculture sector in the constantly evolving business of piping.

In 2014, Astral forayed into the adhesives category by acquiring UK-based Seal It Services Ltd. and Kanpur based Resinova Chemie Ltd., which manufacture adhesives, sealants and construction chemicals. With five manufacturing facilities now in this business segment, Astral has strengthened its presence in the category and made rapid inroads.

In the year 2020, Astral has expanded its product portfolio and entered into the Water Tanks Segment. The water tank segment is an expanded domain of plumbing and water supply with a huge nationwide potential. Astral Pipes manufactures water tanks from its Santej and Aurangabad manufacturing facilities and slowly will begin manufacturing water tanks from other piping units. The new addition in the product offering will help Astral author a next chapter of success and will establish it as a prominent player in building materials industry.





INNOVATION & RECOGNITIONS

- 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 Pipe Brand Award (2016, 2019, 2020 & 2022)
- 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, 2019 & 2021-22)
- India's Most Desired Brand based on TRA's Brand Trust Report (2021)

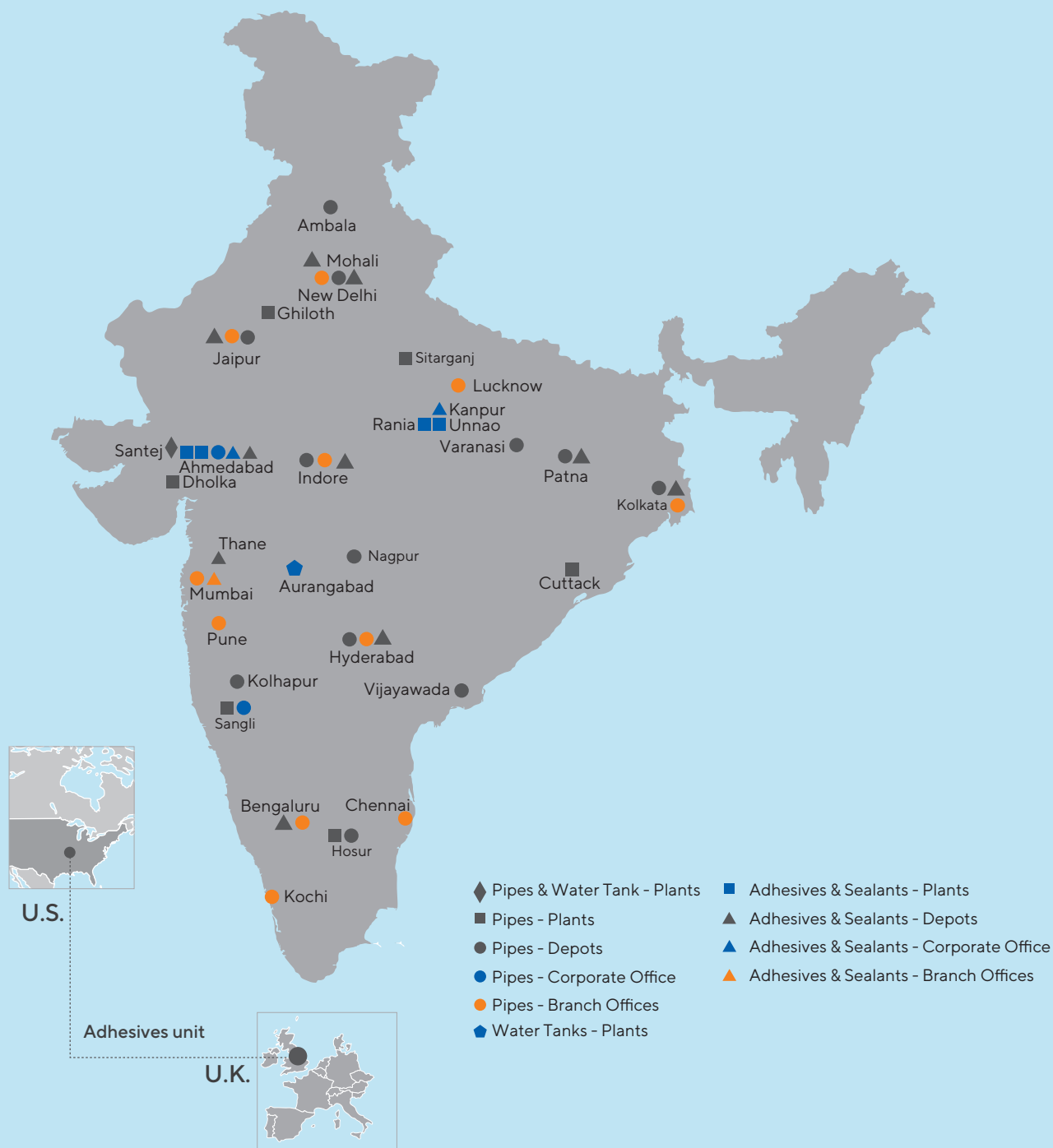


Power of Desire



MARKETING NETWORK

Astral has a marketing network of more than 800 distributors and 30,000 dealers spread all over India with branch offices at Mumbai, Pune, Delhi, Bengaluru, Chennai, Hyderabad, Jaipur, Lucknow and Kochi. Apart from that Astral has its own warehouses at Vijaywada, Hyderabad, Delhi, Kolhapur, Kolkata, Nagpur, Indore, Patna, Varanasi, Jaipur & Hosur to deliver the material as quick as possible. More than 400 techno marketing professionals and administrative personnel are on the board to coordinate with architects, plumbing contractors and plumbers to utilize the best plumbing techniques and to get the best from the products.



CPVC SOLVENT CEMENTS

FOR HIGH RISE - HIGH PRESSURE
PLUMBING SOLUTIONS



MEETS:
ASTM
D-2846 &
F-493
Standards.



PIPE FIX CPVC 307

MEDIUM-BODIED PVC SOLVENT CEMENT

PIPE FIX CPVC 307 is yellow colored, medium-bodied CPVC solvent cement used for joining CPVC pipes & fittings. It is recommended for potable water piping as well as pressurized pipes.

It can withstand temperatures up to 82°C and can be used without a Primer.

ADVANTAGES



Medium-bodied
fast drying CPVC
solvent cement



For potable
water up to
82°C



Low VOC



High solid
content



Can sustain
High
Pressure



Resists Algal &
Bacterial
growth.



Ideal product
for Hot-water
plumbing

SHELF LIFE

24 months from
the date of
manufacturing

PACKING

Metal Container

50 ml | 118 ml | 237 ml
473 ml | 946 ml

TECHNICAL INFORMATION

| PROPERTIES | RESULTS |
|--|--|
| Physical state | Medium Viscosity |
| Color | Yellow |
| Viscosity@ 25°C (Cps) | 500-1000 |
| Hydrostatic burst strength* (@ 25°C (After 24 hours)) | >1000 PSI (1n 2" pipe) min |
| Sustain Pressure Strength (ASTM F-493) | Sustain at 364 PSI for 4 Hrs @ 82°C |

* Minimum requirement of Hydrostatic burst strength as per ASTM D 2564 is 400 PSI

USAGE

- Pipe assemblies recommended at temperature above 5°C for CPVC Pipe through 2" interference
- Suitable for all kinds of PVC pipes & fittings up to 4" diameter under pressure line and up to 6" diameter of all class of non-pressure pipeline

uPVC SOLVENT CEMENTS

FOR COOLING TOWERS /
INDUSTRIAL PIPELINES



MEETS:
ASTM D-2564
&
IS: 14182-1994
Standards.

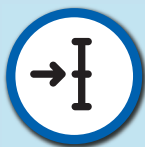


PIPE FIX uPVC 206

MEDIUM-BODIED uPVC SOLVENT CEMENT

PIPE FIX uPVC 206 is fast setting solvent cement for joining uPVC pipes & fittings for low pressure and drainage systems. It can be used for uPVC pipes transporting potable water as well as for materials like PVC, Acrylic & ABS.

ADVANTAGES



Medium-bodied
uPVC Solvent
Cement



Solvent Cement for use
with un-plasticized
PVC Pipes & Fittings



Low VOC



Ideal product for
cold water plumbing

SHELF LIFE

24 months from
the date of
manufacturing

PACKING

Metal Container

50 ml | 118 ml | 237 ml
473 ml | 946 ml

TECHNICAL INFORMATION

| PROPERTIES | RESULTS |
|---|------------------------------|
| Physical state | Medium Viscosity |
| Color | Colorless |
| Viscosity@ 25°C (Cps) | 500-800 |
| Hydrostatic burst strength* (Joint curing 2hr @RT) (ASTM D-2564) | >700 PSI (In 2" pipe) min |

* Minimum requirement of Hydrostatic burst strength as per ASTM D 2564 is 400 PSI

USAGE

- uPVC Pipe assemblies recommended for industrial, irrigation, electrical conduit, plumbing, including PVC foam core pipe size through 6" dia. Interference fit. Sch. 80 through 4" dia.
- Suitable for domestic plumbing, agriculture pipeline, boring application and door manufacturing

PVC SOLVENT CEMENTS

FOR IRRIGATION PIPES & FITTINGS





PIPE FIX PVC 101

REGULAR-BODIED PVC SOLVENT CEMENT

PIPE FIX PVC 101 is regular-bodied PVC Solvent Cement for PVC pipes & fittings up to 6" diameter. It is suitable for conduit & low-pressure and drainage systems.

ADVANTAGES



Regular-bodied
PVC Solvent
Cement



Low VOC



Low Viscous-High
Coverage

SHELF LIFE

24 months from the date of manufacturing

PACKING

Metal Container

50 ml | 118 ml | 237 ml | 473 ml | 946 ml

TECHNICAL INFORMATION

| PROPERTIES | RESULTS |
|--|------------------------------|
| Physical state | Low Viscosity |
| Color | Colorless |
| Viscosity@ 25°C (Cps) | 70-120 |
| Hydrostatic burst strength* (Joint curing 2hr @RT) (ASTM -2564) | >700 PSI (In 2" pipe) min |

* Minimum requirement of Hydrostatic burst strength as per ASTM D 2564 is 400 PSI

USAGE

- Low-pressure PVC pipes and fittings and drainage systems. Assembly recommended at temperature above 5°C. Allowable gap: 0.3 mm. interference: 0.2 mm
- Borewell fittings
- Joining electrical conduits



*A consumer validated
Superbrand in piping
category for
consecutive 3 years*



*India's Most Trusted
Pipe Brand based on
TRA's Brand Trust
Report for the 3rd time*

Power of Desire



*India's Most Desired
Brand based on
TRA's Brand Trust
Report 2021*

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Please get in touch with us between
10 AM to 6 PM on Monday to Saturday - except
1st & 3rd Saturday and public holidays