

V. K. AVIRACHAN

GOODWILL GROUP



BUILDERS' ASSOCIATION OF INDIA
Kerala (Trivandrum) Centre

Introduction of Goodwill Group of Concerns

“Goodwill” Group of concerns (Manufacturers of PVC Pipes & Water Tanks) is promoted by Mr. V. K. Avirachan (V. K. Raju), an industrialist with an in-depth expertise of three and a half decades in the field of production, distribution and retailing.

Goodwill Group has two manufacturing units situated in Kinfra Park, Thumba, Thiruvananthapuram contributing to the industrial growth of the State and promoting the vision of “BRAND KERALA”. These units have state of the art manufacturing facilities and ISO Certified Quality Management System since the year 2005 and BIS License to Manufacture and market PVC pipes Rigid PVC Conduits for Electrical Installation.

(1) Goodwill Polymers - is the first manufacturing unit started operations at the Kinfra Park, Thumba. It is one of the leading manufacturers of:

- (a) Premium quality PVC Pipes from 20mm to 200mm having different pressure withstanding capacities certified as per IS 4985:2000 Standards.
- (b) Rigid PVC Conduits for Electrical Installation (Electrical Wiring Conduit Pipes) certified as per IS 9537: PART 3.
- (c) Flex Hoses (Suction Hoses) of premium quality.
- (d) Garden Hoses of premium quality
- (e) ASTM UPVC pipes as per ASTM Standard D1785 will also be launched in the market very soon.



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(2) Goodwill Extrusions - is a responsible manufacturer of water storage and septic tanks made out of 100% virgin raw material. Products includes:

- (a) Water Storage Tanks from 310 Litres to 5000 Litres in 2 layer and 3 layer (white)
- (b) Underground Sump Tanks 1000 & 2000 Litres Capacity for water storage.
- (c) Loft Water Tanks for interior and exterior applications.
- (d) Septic Tanks having various flush / capacities.

Apart from the manufacturing units, the Group has distribution and retail business as briefed below:

- (1) Travancore Tubes : is the first venture of the Group engaged in wholesale distribution of complete Plumbing Solutions of premium brands.
- (2) Tara Sanitarywares & Tiles : situated at Pattom, Plammodu is the retail unit of the Group dealing with Sanitarywares, Tiles, lightings and affiliated products of reputed brands from India and abroad.



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GROUP OF COMPANIES



ISO 9001:2008










Dedicated to Quality



Streamlining Your Life

AN ISO 9001-2008 COMPANY

Through dedicated hard work backed by intense research and development, we produce top-quality, fully reliable PVC pipes that meet national and international quality standards.

With sophisticated manufacturing facilities backed by latest technology and stringent quality control systems, we are set to score records.

Excellent quality and exceptional service is our motto. The management of the company consists of a highly qualified and experienced team of professionals.



THE HALLMARK OF SUPERIOR QUALITY

Customer satisfaction is of topmost priority at Goodwill Polymers

We understand our customer needs better than anyone and we give our best to satisfy the customer.

Our range of unmatched quality products include

PVC pipes catering to various plumbing requirements. These pipes find wide applications in the fields of plumbing, water supply, sanitation, irrigation and other industrial applications. Manufactured from high-quality raw materials, these pipes enjoy long life - no scaling, no rusting- they truly are 'the no trouble pipes'!

With a high degree of reliability, Goodwill PVC pipes become the natural choice of architects, engineers, builders, farmers and plumbers for all modern plumbing systems.

Applications

Goodwill PVC pipes especially plumbing pipes (threaded) make the ideal choice for water supply, and assure uninterrupted free flow of water. Our SWR varieties for sanitation, sewage, waste and rainwater are some of the best available in the market today.

Goodwill pressure pipes cater effectively to all the irrigation requirements, special pipes are available in different diameters to best suit the piping systems thereby ensuring effective plumbing.

• Light in weight • Easy to install • Maintenance free
• Corrosion resistant • Lowest bacterial growth
• Better aesthetic appeal • Free flow • Longer life

Ranges

PVC Pipes conform to IS 4985: 2000 in all respects. These pipes are available in diameters ranging from 20mm - 200 mm in various working pressure classes

Outside Diameter (mm)	Nearest inch equivalent	Working Pressure (kg/cm ²)	Wall Thickness (mm)	Max.
20	3/4	10	1.1	1.5
25	3/4	8	1.2	1.6
25	3/4	10	1.4	1.8
32	1	8	1.5	1.9
32	1	10	1.8	2.2
40	1 1/4	8	1.4	1.8
40	1 1/4	10	2.2	2.7
50	1 1/2	8	1.7	2.1
50	1 1/2	10	2.6	3.3
63	2	4	1.5	1.9
63	2	6	2.2	2.7
63	2	10	3.5	4.1
75	2 1/2	4	1.8	2.2
75	2 1/2	6	2.6	3.1
75	2 1/2	10	4.2	4.9
90	3	2.5	1.3	1.7
90	3	4	2.1	2.3
90	3	6	3.1	3.7
90	3	10	5.0	5.7
110	4	2.5	1.6	2.0
110	4	4	2.5	3.0
110	4	6	3.7	4.3
110	4	10	6.1	7.1
140	5	2.5	2.0	2.4
140	5	4	3.2	3.8
140	5	6	4.8	5.6
140	5	10	7.7	8.9
160	6	2.5	2.3	2.8
160	6	4	3.7	4.3
160	6	6	5.4	6.2
160	6	10	9.8	10.2
180	7	2.5	2.6	3.1
180	7	4	4.2	4.9
180	7	6	6.1	7.1
200	8	2.5	2.9	3.4
200	8	4	4.6	5.3
200	8	6	6.8	7.9

15kgf/cm² Plumbing Pipes are also available in 25mm (3/4") and 32mm (1")

Rigorous quality management systems in our plant, which ultimately resulted in all our process getting certified as per ISO 9001-2008 quality norms







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Goodwill WATER TANK

ശുദ്ധജലം ശുദ്ധമായിത്തന്നെ ലഭിക്കുവാൻ...

Goodwill GROUP OF CONCERNS
www.goodwillgroup.co.in

Eco friendly GO GREEN

Goodwill WATER TANK

We, 'Goodwill Group' strongly believe that 'Safety of drinking water is a human right'. Billions of people in the world are at risk of unsafe water. Being a responsible manufacturer of related products, we introduced 'Goodwill Water Storage Tanks' in 2013 to comply with our Mission - to reach water, the special gift of nature and vital element for existence of life, in its purest form to millions of people. Exceptional standards and systems for production built by the Company over these years coupled with its uncompromised ethical values and social commitments has helped the brand 'Goodwill' to grow and establish itself in a leading position in water storage systems.

- Made out of 100% virgin material, 'Goodwill Water Storage Tanks' possess superior strength that attributes to its high Environmental Strength, Crack Resistance and high load bearing capacity.
- State of the art technology in processing and manufacture guarantees high resistance to UV effect, varying weather and to all other adverse conditions which ensures quality of the water stored.
- FDA approved food grade 100 virgin material and high resistance to corrosion assures safety of stored drinking water.
- Easy maintenance and eco friendly.
- Aesthetic design and best finish that adds style to all houses.
- Available in various capacities at affordable prices.

10 YEARS WARRANTY
100% Virgin Material
UV Stabilized

Goodwill 3Q Quality in Product, Quality in Service, Quality in Approach
Goodwill 3S Safety - Assures your family's health through FDA approved Virgin materials, Strength - Achieved by virgin raw material, proven technology and unique design, Style - Caters to your aesthetic sense and adds value to your dream homes

At a range of sizes & affordable prices, meeting your requirements.

Goodwill WATER TANK

OVERALL DIMENSIONS OF THE TANK*

Capacity (litres)	Height*mm	Diameter*mm	Manhole Dia. (mm)
310	845	730	285
400	800	860	425
500	950	890	425
750	1130	990	425
1000	1240	1090	425
1500	1430	1250	425
2000	1560	1380	425
3000	1820	1570	425
5000	2080	1880	490

Available in - 3 layer White
3 layer Black
2 layer Blue

LOFT TANK

Colour	Capacity	Thickness	Length	Breadth	Height	Manhole Diameter
Black	500 Litre	9 mm	1450 mm	1000 mm	500 mm	285 mm

*Technical details are subject to change

Goodwill SUMP TANK

Colour	Terracotta	Terracotta
Capacity	1000 Litre	2000 Litre
Diameter	1150 mm	1300 mm
Height	1220 mm	1550 mm
Manhole Extension	110 mm	130 mm
Total Height	1330 mm	1740 mm
Manhole Diameter	450 mm	450 mm

Goodwill SEPTIC TANK

Models	Type A	Type B	Type C
Colour	Terracotta	Terracotta	Terracotta
Capacity (Working Day)	200	400	600
Diameter	450 mm	850 mm	1050 mm
Length	2400 mm	2550 mm	2400 mm
Thickness	10 mm	10 mm	10 mm
Capacity in Litres	700 Litre	1100 Litre	1600 Litre
No. of Chambers	3	3	3
No. of Manholes	3	3	3
Manhole Diameter	450 mm	450 mm	450 mm
Diameter of Inlet & Outlet pipes	110 mm	110 mm	110 mm
Access	63 mm	63 mm	63 mm
Total Height	800 mm	1000 mm	1200 mm

Goodwill WATER TANK AN ISO 9001-2015 COMPANY

Goodwill Extrusions
Manufactures of Water Tank, Sump Tank, Septic Tank, Sump & Loft Tank
Plot No. 1A & 1B, Karfa Park, Thumka, Tiruvandam
Ph: 9477 276560, 276560 | Trade Inquiry: 9524104272
enquiry@goodwillgroup.co.in | www.goodwillgroup.co.in



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LET'S MAKE YOUR DREAM HOME SAFE

Goodwill CONDUIT PIPES

AN ISO 9001 : 2015 COMPANY

GOODWILL RIGID PVC CONDUITS for Electrical Installations

IS 9537 : Part 3 - CN/L 6400083405

IS 9537 PART 3
CN/L 6400083405

Quality is the only promise we keep.
Consistency is the only philosophy we follow

"Good Quality" and "Competitive Prices" are now a basic requirement for business. "Goodwill" has started its journey as a manufacturer of Premium PVC Pipes three decades ago. Excellent expertise, state-of-the-art manufacturing facilities, cutting-edge technology and environment friendly stringent ISO 9001 certified quality control systems backed by very high patronage of its esteemed customers helped the brand "Goodwill" grow and emerge as a reputed brand.

The confidence built up and success grabbed by the first product has incited the company to venture into manufacturing of affiliated products Water Tanks, Sump, Septic Tanks, Suction & Garden Hoses of premium range.

The same confidence and repeated success story has encouraged the company to add "Goodwill Premium Rigid PVC Conduits" with BIS Certification as per IS 9537: PART 3 - CN/L 6400083405 to its product line with a mission "LET'S MAKE YOUR DREAM HOME SAFE."

GOODWILL PVC CONDUITS

"Goodwill" Premium Rigid PVC Conduits are manufactured from 100% Virgin Poly Vinyl Chloride (PVC) ensuring compliance of all quality parameters keeping 100% safety of the Customer.

State-of-the-art technology & manufacturing facility, well equipped Production Laboratory certified by Bureau of Indian Standard (BIS) backed by ISO 9001 and quality control systems ensures 100% safety & reliability.

Salient Features of GOODWILL PREMIUM RIGID PVC CONDUITS

- Adaptable to standard concreted wiring system as per IS & BIS
- Resistance to breakdown under high electrical voltage
- Higher mechanical strength & light weight
- Higher impact resistance & durable
- Non toxic as 100% virgin PVC is used
- Fire Resistant and Low Smoke (FRLS)
- Thermal resistant
- Corrosion free

GOODWILL ISI PVC CONDUITS SPECIFICATIONS

SIZE (mm)	OUTSIDE DIAMETER (mm)	TOLERANCE ON OUTER DIAMETER (mm)	INSIDE DIAMETER (mm)			STANDARD LENGTH (MTR)
			LIGHT	MEDIUM	HEAVY	
16	16	-0.3	13.70	13.00	12.20	3
20	20	-0.3	17.40	16.90	15.80	3
25	25	-0.4	22.10	21.40	20.60	3
32	32	-0.4	28.60	27.80	26.60	3

CONDUITS INSTALLATION

In surface installation the conduit in fixed using saddles or space bars saddles. The maximum recommended spacing between the saddles is 1.0 m for the horizontal conduit runs and 1.25 m for vertical conduits runs. Saddles should be fixed 20 cm on either side of bends or boxes. As Pvc conduit expands with increase in temperature for expansion/contraction movements in long straight runs, the use of an expansion coupling is recommended every 6m to absorb expansion and avoid conduit buckling.

BENDING OF CONDUITS

Conduits up to 25mm diameter can be bended using the correct bending spring size, according to the diameter and the gauge of the conduit. After inserting, the bend can be made by hand or across the knee, by bending slightly beyond the required angle and allow the conduit to recover back to the required position. The bending should not be done too fast and once made a bend should not be forced backwards as their action can lead to conduit or spring damage.

For conduit sizes over 25mm diameter hot bending is required with the same procedure as cold bending with the application of gentle heat just before bending. No open flames should be used for heating, rather hot water or hot air torch. Once the conduit is warm it can be bend around a suitable form and held there until it cools down and sets in position.

Bending Spring



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Thank You



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