

TUFF PLAST

Toughness That Cares For Your Family





About us

M/s Suraj Logistix Pvt. Ltd. (Manufacturing under the brand name **Tuffplast**) is a Private Limited Company having its registered office at Kolkata INDIA. The company has its world class production facility at Large Sector, Adityapur Industrial Area, Gamharia, in INDIA and Sales Head Office at 706, New Sitaramdera, PO Agrico, Jamshedpur - 831009, INDIA. The manufacturing location is well connected by rail & road transport and is about 250 KM from Kolkata.

The Company presently has an installed annual capacity of 32000 mt. of PVC products and 12000 mt. of Woven sacks. The company is a major player in eastern India with a wide network of distributors and dealers. The Company has a strong commitment for the market it operates in and believes strongly in adhering to stringent quality parameters. The Company also maintains its own fleet of vehicles to ensure timely and prompt delivery. The company is into all the major process of polymer processing like extrusion for PVC & HDPE pipes, Injection Molding, Rotational Molding, Blow Molding, Tape Line for Raffia and Loom for making raffia fabric.

The Company has Prestigious Clients

Ranging from corporates like Lafarge India Pvt. Ltd., ACC Ltd., Orissa Cement Ltd., Jindal Steel & Power Ltd. Ambuja Cement Ltd., Dalmia Bharat Cements Ltd., Tata Steel Rural Development Society, Tata Cummins, Tata Pigments, The Leading construction companies of India like L&T ECC Division, Shapoorji Pallonji & Co., Military organization like Garrison Engineer-Air Force, Border Security Force and Government organization Public Health & Engineering Department.



uPVC Casing Pipes

As per IS 12818-2010

Tuffplast Casing pipes are suitable for getting clean water from deep and shallow bore well. These pipes offer various advantages over other alternatives, as they are easy to install, corrosion resistant, rust free, durable, long lasting and are economical.

Available in 1 ½ inch to 12 inch



Diameter (Nominal Bore)		Outside Diameter	CM	CS	Length
Inch	mm	mm	Wall Thick (mm)	Wall Thick (mm)	Meters
1.1 / 2	40	48	3.5	NA	3 & 6
2	50	60	4.0	NA	3 & 6
3	80	88	4.0	NA	3 & 6
4	100	113	5.0	NA	3 & 6
5	125	140	6.5	NA	3 & 6
6	150	165	7.5	5.7	3 & 6
7	175	200	8.8	7.0	3 & 6
8	200	225	10.0	7.6	3 & 6
10	250	280	12.5	9.6	3 & 6
12	300	330	14.5	11.2	3 & 6

uPVC Ribbed Stainer Pipes

As per IS 12818-2010

Tuffplast Ribbed Stainers are used for filtration of ground water and are installed at boring pipelines. The fine gaps in Tuffplast Ribbed Stainers work as filters.

Available in 1 ½ inch to 8 inch



Nominal Diameter		Outside Diameter	Wall Thick	Length
Inch	mm	mm	mm	Meters
1.1 / 2"	40	52	3.5	1.8 and 2
2"	50	64	4.0	1.8, and 3
3"	80	92	4.0	2 and 3
4"	100	117	5.0	2 and 3
5"	125	144	6.5	2 and 3
6"	150	169	7.5	2 and 3
7"	175	204	8.8	2 and 3
8"	200	229	10.0	2 and 3

uPVC Column Pipes

Tuffplast uPVC Column pipes are designed for bore well submersible pumps. The special design of this product creates superiority and advantage that has enabled them to replace galvanized steel pipes for column/ riser application. The specially designed thread results in excellent weight carrying capacity for these pipes.

Available in 1 inch to 4 inch



Size	Size
Inch	mm
1"	25
1-1/4"	32
1-1/2"	40
2"	50
3"	80
4"	100

uPVC Pressure Pipes (Agricultural Pipes)

As per IS 4985

Tuffplast pressure pipes find their application in water supply to deliver water for irrigation. It can also be used in drainage & sewage lines. It is available in three meter and six meter length. Tuffplast pressure pipes are widely being used for long water supply lines to deliver water to agricultural fields.

Available in 20mm to 315mm OD and 2.5, 4, 6, & 10, 12.5 kg/cm² pressure.



Outside Diameter	Class 1 2.5kg/cm ²	Class 2 4.0kg/cm ²	Class 3 6.0kg/cm ²	Class 4 8.0kg/cm ²	Class 5 10.0kg/cm ²	Class 6 12.5kg/cm ²
in mm	Wall Thick (mm)	Wall Thick (mm)	Wall Thick (mm)	Wall Thick (mm)	Wall Thick (mm)	Wall Thick (mm)
20	-	-	-	-	1.1	1.4
25	-	-	-	-	1.4	1.7
32	-	-	-	-	1.8	2.2
40	-	-	1.4	1.8	2.2	2.8
50	-	-	1.7	2.3	2.8	3.4
63	-	1.5	2.2	2.8	3.5	4.3
75	-	1.8	2.6	3.4	4.2	5.1
90	1.3	2.1	3.1	4.0	5.0	6.1
110	1.6	2.5	3.7	4.9	6.1	7.5
125	1.8	2.9	4.3	5.6	6.9	8.5
140	2.0	3.2	4.8	6.3	7.7	9.5
160	2.3	3.7	5.4	7.2	8.8	10.9
18	2.6	4.2	6.1	8.0	9.9	12.2
200	2.9	4.6	6.8	8.9	11.0	13.6
225	3.3	5.2	7.6	10.0	12.4	15.3
250	3.6	5.7	8.5	11.2	13.8	17.0
280	4.1	6.4	9.5	12.5	15.4	19.0
315	4.6	7.2	10.7	14.0	17.3	21.4

uPVC Plumbing pipes & Fittings

As per ASTM D 1785 Schedule 40, 80 and 120 (Pipes) & ASTM D 2467 Schedule 80 (Fittings)

Tuffplast plumbing pipes are long lasting, maintenance free and have ease of application. Tuffplast plumbing pipes are widely used for transportation and distribution of potable water. It is technically superior, cost effective and ensures uninterrupted flow of water from overhead / underground tanks to toilet block, kitchen sinks or any other utility.

Available in 1 ½ inch to 12 inch in pipes and ½ inch to 1 ½ inch in fittings

Tuffplast plumbing pipes are available in 3 mtr and 6 mtr length with or without thread in blue and white colors.

Various fabricated fittings such as Nipple, Reducing socket, Coupler, FTA and MTA are also available.



Inside Diameter (Nominal Bore)		Outside Diameter	Schedule 40 (Light Duty)	Schedule 80 (Minimum Duty)	Length
Inch	mm	mm	Wall Thick mm	Wall Thick mm	Meters
1/2"	15	21.2	2.8	3.7	3 and 6
3/4"	20	26.6	2.9	3.9	3 and 6
1"	25	33.3	3.4	4.5	3 and 6
1-1/4"	32	42.0	3.6	4.9	3 and 6
1-1/2"	40	48.1	3.7	5.1	3 and 6
2"	50	60.2	3.9	5.5	3 and 6
3"	8	88.7	5.5	7.6	3 and 6
4"	100	114.1	6.0	8.6	3 and 6
5"	125	141.0	6.6	9.5	3 and 6
6"	150	168.0	7.1	11.0	3 and 6
8"	200	218.7	8.2	12.7	3 and 6



uPVC SWR Pipes & Fittings

As per IS 13592 (Pipes)

Tuffplast introduces a unique range of SWR pipes & fittings manufactured from world class UV stabilized PVC compound for trouble free performance. This special compound protects the SWR system from deterioration due to photochemical reaction of UV radiation when exposed to sunlight. Tuffplast SWR pipes and fittings have been designed for efficient collection and transportation of sewage generated in a building until disposed to the nearest sewer.

Available in 75 mm and 110 mm

Nominal Outside Diameter	Mean Outside Diameter		Outside Diameter any point		Wall Thickness Type A		Wall Thickness Type B	
	Min (mm)	Max (mm)	Min (mm)	Max (mm)	Min (mm)	Max (mm)	Min (mm)	Max (mm)
75	75.0	75.3	74.1	75.9	1.8	2.2	3.2	3.8
110	110.0	110.4	108.6	111.4	2.2	2.7	3.2	3.8



HDPE Pipes for Water Transportation

Tuffplast HDPE pipes are manufactured from virgin pipe grade raw materials (PE 63, PE 80 & PE 100). These pipes have Superior hydrostatic strength and durability for long life and are abrasion resistant, Corrosion & chemical resistant and Inert to most acidic & alkaline solutions. These pipes have Smooth inside wall that minimizes frictional losses.

Tuffplast HDPE pipes are Non-toxic, safe for portable water and do not support microbial growth. It is widely used for irrigation, water rising mains, Portable water supply, House service connections etc.

Other Products

Tuffplast also makes world class Garden hose (½" to 1 ½"), LD delivery hose (2" to 4") & PP Dhama.

The company is a leading manufacturer of PP/HDPE Bags, used in cement, fertilizer, sugar and food grain packaging.

It also manufactures superior quality leno bags for onion, potato, other vegetables, fruits and flowers packaging.



Rotomolded Water Storage Tank

Tuffplast Water Storage Tanks are manufactured in a world class 'Latest of its Kind' rotomoulding facility and incorporates state-of-the-art testing facility to ensure consistency quality. The material used is longer lasting, highly durable and resistant to corrosion. All Tuffplast water storage Tanks have a special internal coating to ensure freedom from toxicity, odour and taste, ensuring 100% hygiene, all of which makes tuffplast water tanks ideal of Storage of portable water.

Tuffplast Water Storage Tanks are available in different capacities and layers to suit every type of requirement.

Tough Features

- One Piece Construction, without Seams or Joints and hence 100% leak-proof.
- Optimized wall thickness for greater longevity and extra toughness.
- Right weight and hence easy to carry install.
- 100% maintenance free.
- Excellent load bearing capacities.
- 100% hygienic and safe.

Capacity in (Ltr.)	Dia (mm)	Height (mm)	Manhole Dia (mm)
200	715	600	280
300	735	830	280
500	910	975	400
750	995	1095	400
1000	1085	1230	400
1500	1230	1380	400
2000	1400	1560	470
3000	1545	1765	470

Capacity in (Ltr.)	Length (mm)	Width (mm)	Height (mm)	Manhole Dia (mm)
200	920	700	410	305
300	1070	875	430	305
400	900	700	600	305



4 Layer Blow Molded Water Storage Tank

World Class

MARKS is India's first 4 layer blow molded tank engineered by highly skilled team of IITians in a state of art facility.

Virgin Material

MARKS tank is build to International standards using 100% food grade virgin material.

Enviro+

When you buy a **MARKS** tank you help to keep the environment safe and healthy for our children.

UV+

MARKS tank is precisely molded and insulated with UV stabilized polyethylene.

100% Leak Proof

Your are buying a tank with extreme weather and load bearing capacity which lasts for years.

INDIA'S 1ST  4 LAYER

Blow Molded Water Storage Tank

MARKS

Designed in Germany- Made in India

Q FIT
Anti corrosive
Screw threading

STARK 0
Extreme Impact
all Weather Lid

Sigma5
Volume+
assurance

360 Hyperwave
extra rigid
side ribs

NEBULA
Low CG Stability+ base



Tuffplast : Profile

tough, world class uPVC plumbing systems, with a range that conforms to all leading Indian & International specifications.

Tuffplast plumbing systems are manufactured with world class PVC material which makes them 100% safe, non-toxic, impact-resistant and ensures a longer life span. The products are manufactured in a state-of-the-art facility by extrusion on the 'Latest of their kind' automated equipment, with stringent testing to ensure consistent quality.

Tuffplast is technically superior, cost-effective & ideal for transportation & distribution of hygienic drinking water. It ensures an uninterrupted flow from overhead/underground tanks to toilet blocks, kitchen sinks or any other utility and finds application in water supply, sewage & sanitation, irrigation, bore wells & telecommunication.

Features of Tuffplast uPVC Pipes

World class standards: Strict quality assurance norms with polymers & raw materials adhering to all international quality standards.

Extra toughness: Highly resilient, tough & durable, ensuring trouble free performance for years.

Easy of usage: Easy to handle, transport and install.

Freedom from toxicity, odour & taste: 100% hygienic & safe ensuring absolute purity of drinking water.

Excellent corrosion & chemical resistance: Total immunity to electrolytic & galvanic corrosion.

Since there is no corrosive by-product there is no contamination of piped fluids.

High flow rates & low frictional losses: Mirror smooth inner surface ensures high flow rates and low frictional losses. Also there is no scope for deposition of organic or inorganic impurities. As **Tuffplast** is free from rusting, pitting & scale formation, the inner diameter remains constant throughout the life of the plumbing system.

Low thermal conductivity: Much lower thermal conductivity factor than metal pipes-therefore, piped fluids maintain a more constant temperature. In most cases, pipe insulation is not required.

Combustion resistant: Self-extinguishing feature does not support combustion, thus eliminating the need for fire resistant coating.

Extra savings: Not only in the initial cost lower than metallic/cemented pipes, there is extensive saving in time, labour and maintenance.





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