XORA GLOBE

XPORTEX
SERVICES FOR INTERNATIONAL BUYERS



BUILDING MATERIALS · PIPES & FITTINGS

# uPVC Pipes & Fittings

Soil · Waste · Drainage · Sewage · Underground · Pipes Ø32–160 mm

**Made in Egypt.** Sourced through XPORTEX, the export arm of XORA Globe — we verify the factory and follow the order to delivery.

*Digital Speed. Human Trust.*

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IN THIS CATALOGUE

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Every product in this catalogue is made in Egypt by a manufacturer in the XPORTEX supplier network. Quote the product name and size from each page when you ask for a price. We verify the factory and follow the order to delivery.

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Send the product names and sizes you need — see the last page for what to include.

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Our trusted manufacturer is a leading company in the development and manufacture of advanced plastic piping systems and injection fittings since 2020. Our uniquely extensive range of large and small-bore piping systems are capable of handling a wide variety of materials in industrial and domestic application waste water.

Pipes are made from high quality raw materials and are manufactured on some of the most advanced machinery in the world to the most exacting standards. Our commitment to quality also extends to customer service.

because of tremendous growth in the industrial, commercial, and housing sectors in all types of public amenities, pipelines are needed to convey water and sewage, and to protect telecommunication and electrical cables. To ful ll this need, our trusted manufacturing company was formed with the aim of producing, a full range of un-plasticized polyvinyl chloride (UPVC) pipes and injection fittings according to international recognized standards.



# Production of UPVC pipes

(Polyvinyl Chloride) UPVC pipes and injection fittings are among the most widely used products, manufactured for many applications across various market sectors worldwide.

PVC pipes are lightweight, easy to install, durable, strong, and recyclable, with long-term performance. The company produces PVC pipes and injection fittings in compliance with the latest Egyptian and international quality standards, using advanced production machines and continuous line monitoring.

All pipe diameters and connections are produced, ranging from 32 mm to 160 mm. PVC pipes and injection fittings are popular due to their low cost, economical storage, and suitability as an alternative to metal, pottery, cast iron, and cement pipes. They are ideal for construction projects, sewage systems, and water distribution.

PVC pipes withstand pressure, shocks, corrosion, chemicals, weather changes, and varying temperatures, maintaining quality for over 50 years, even in harsh environments.

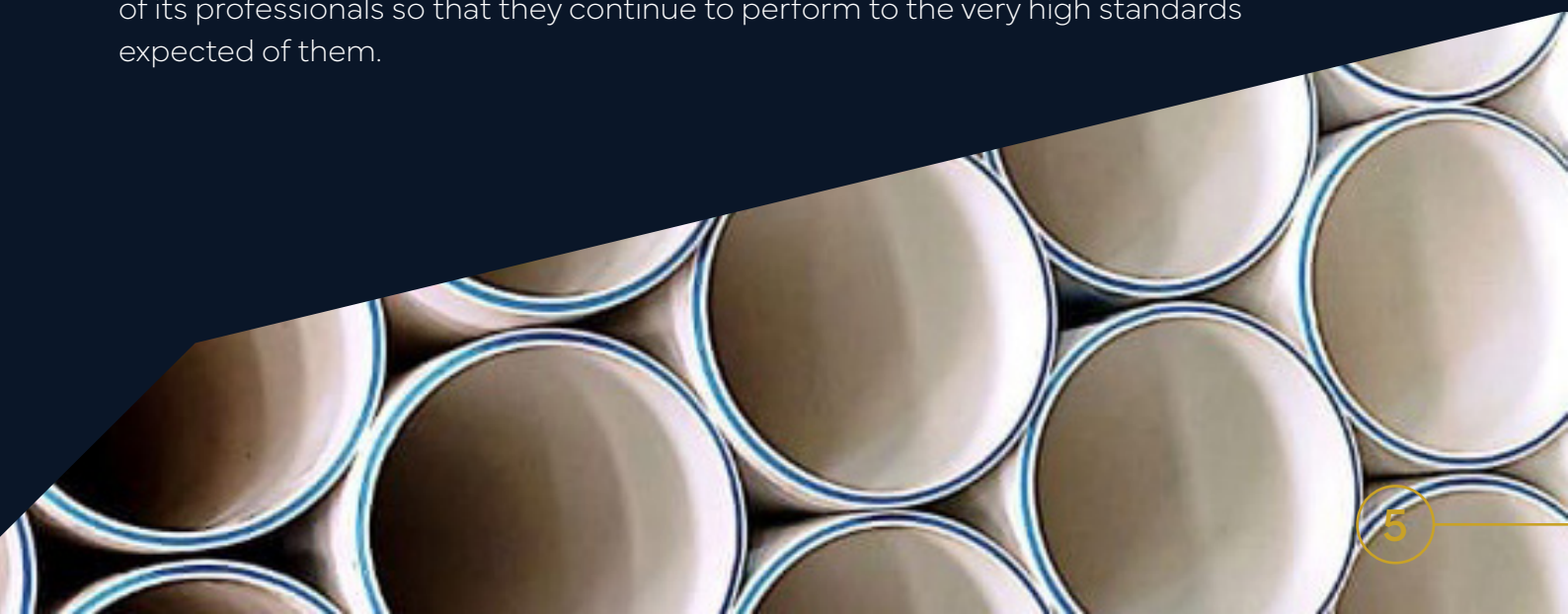
PVC products are manufactured through thermal and pressure processing of PVC resin powder. Production uses extrusion for continuous products like pipes and molding for fittings. PVC-U processing requires precise control of variables. The polymer is a free-flow powder mixed with stabilizers and lubricants through careful weighing, high-speed mixing to 120°C, then rapid cooling to about 40°C.

## Excellence in meeting international standards

Product quality can be seen from the fact that all products meet the high internationally recognized standards of manufacture. These Standard's include BS, ASTM, DIN, ES 1717, ES 848-1 and ES 848-2 specification

## Excellence in human resources

The firm takes pride in its team of highly experienced and skilled professionals. The team is committed to providing efficient and cost-effective solutions for customers backed by reliable after-sales support also has continuous in-house training programs to update the skills of its professionals so that they continue to perform to the very high standards expected of them.





## Mechanical Properties

| Mechanical properties | Values | Unit |
|---|---|---|
| Tensile strength ultimate | 48.0 min | MPa |
| modulus of Elasticity in Tension | 2758 min | MPa |
| Compressive Strength | 62.0 min | MPa |
| Flexural Strength | 100.0 min | MPa |
| Impact Strength | 34.7 min | J/M of notch |
| Hardness | >70+-3 | Durometer"D"' |

## Thermal Properties

| Thermal Properties | Values | Unit |
|---|---|---|
| Coefcient of Thermal Linear Expansion | 5.6 | mm/m °k |
| Thermal Conductivity | 0.18 | Wm/ °k / m2 |
| Specifc Heat | 0.23 | cal/ °C Kcal/ Kg |
| Vicat Softening Temperature | >80 min | °C |
| Delfection Temperature | >70 min | °C |
| Elongation at Break | >40 min | % |

# PROPERTIES OF UPVC PIPES

## 1. General Properties

1-Chemical resistance
2- corrosion resistance
3- Free from toxicity
4- odorless
5- Low friction loss
6- Low thermal expansion
7- Fire hazards resistance
8- Recycling

## 2. Chemical Resistance

The u-pvc pipes are high resistance to chemical materials such as strong acids, alkalis, alcohols, methyl chloride and acetone.

## 3. Corrosion resistance

The u-pvc pipes are high resistance to industrial fumes, humidity, salt waters and weather conditions.

## 4. Free from toxicity, odor

The u-pvc pipes are non-toxic and odorless, the materials used are safe.

## 5. Low friction loss

The u-pvc pipes have low coefficient of friction due to its smooth internal surface, so its Low friction loss and high flow rate.

## 6. Ultraviolet resistance

the u-PVC pipes are exposed to direct sunlight, as exposure to sunlight causes a loss in impact strength, so materials are used as uv-stablizer to Ultraviolet resistance.

## 7. Low thermal expansion

The coefficient of expansion and stress in u-PVC pipes are lower than metal pipe.

## 8. Fire hazards resistance

the u-PVC pipes have higher ignition temperature than many other commonly used thermoplastics.

## 9. Recycling

the u-PVC pipes are thermoplastic can be recycling at high temperature.

## 10. Instructions for proper transportation, handling and storage:

Pipes should not be stored in large numbers on top of each other, especially in hot weather, as overloading affects me. Pipes in contact with the surface of the earth, which makes it impossible to install them, and the pipes must not be exposed to direct sunlight and be an area Storage is subject to interfering air currents.





## Shipping and loading:

Despite the hardness and durability of the pipes, care must be taken when lifting and loading them so as not to fall into the pipes Hard floors, and the ends of the pipes must be preserved so that they are not damaged and cannot be installed

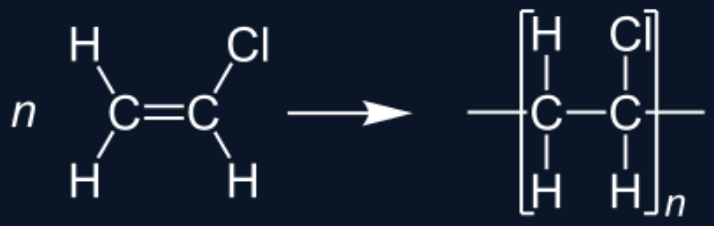
## Installation by adhesive:

The ends of the pipes and joints must be thoroughly cleaned before starting the gluing process with a detergent Putting the adhesive on the pipe and the joint, taking into account not leaving gaps on the surfaces, waiting for about 40 seconds, then inserting the two ends to connect.

## Compounding Unplasticized PVC (The Mixing Process)

PVC is an abbreviation of the word "Polyvinyl chloride", one of the most important chemical compounds that are widely used in the industrial field in various countries.

Polyvinyl chloride produced by:
***polymerization*** of the ***vinyl chloride monomer (VCM)***




PVC comes in rigid (sometimes abbreviated as RPVC) and flexible forms. Rigid PVC is used in construction for pipe, doors and windows.
Polyvinyl chloride is a white, brittle solid. It is insoluble in all solvents but swells in the monomer and some c hlorinated hydrocarbon solvents.



# Optimum Mixing Process of pvc pipe

The firm has very high technology mixing equipment's in the world that is important to achieve high quality pvc products. the PVC is mixed with additives such as:

1- stabilisers
2- Fillers
3- lubricants
4- pigments

all components of the formulation should be homogeneously mixed.

Charge PVC powder in Hot Mixer

Mixing at ↓ heat to 60 ºC

Add additive in hot mixer

Mixing at ↓ heat to 70ºC

Add Calcium Carbonate

Mixing at ↓ heat to 120ºC

Discharge dry compound PVC from hot mixer to cold mixer

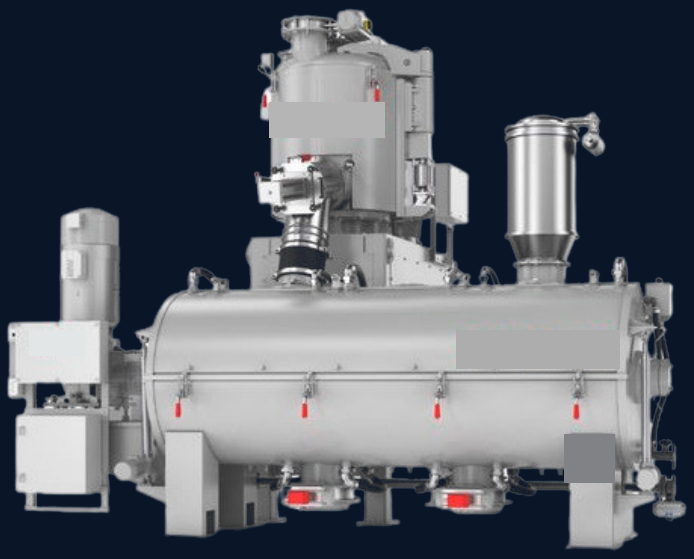
Mixing at ↓ heat to 40ºC

by using ↓ cooling water

Discharge dry compound PVC from cold mixer to conveyor system

mature for ↓ 24 hours

Optimum fnal pvc compound







## Excellence in infrastructures

The firm developed a very sophisticated manufacturing facility and the company constantly invests in the latest advancements in technology. These investments not only ensure superior products for our customers but also enhance our leadership position in the region. The company's laboratory is one of the best in the region and is equipped with modern testing apparatus.

The company's products are quality tested by independent labs from Denmark to meet the expected high international standards. The firm also has a well-equipped workshop with skilled technician to fabricate both conventional PVC fittings as well as other specific requirements of customers.

## PVC PIPES TESTS:

Tests conducted on white multilayer drainage u-pvc pipes
(According to the Egyptian Standard Specifications)
1717/2008 also Iraq standard IQS 1512





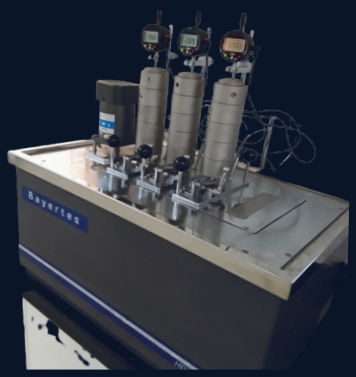
# Resistance to Dichloromethane at specified temperature test :

| Test | Unit | Material Standard | Standard Test Method | | Reference |
|---|---|---|---|---|---|
| Resistance to Dichloromethane at specifed temprature | % | IQS 1512 & 1717 | ISO 9852-3007 | - | Does not affect any part of the test surface |
| | | | No. of tested pieces | 3 | |
| | | | immersion time | 30 min | |
| | | | bath tempreture | 15 ± 1 °C | |




# Vicat Softening temperature (VST) test

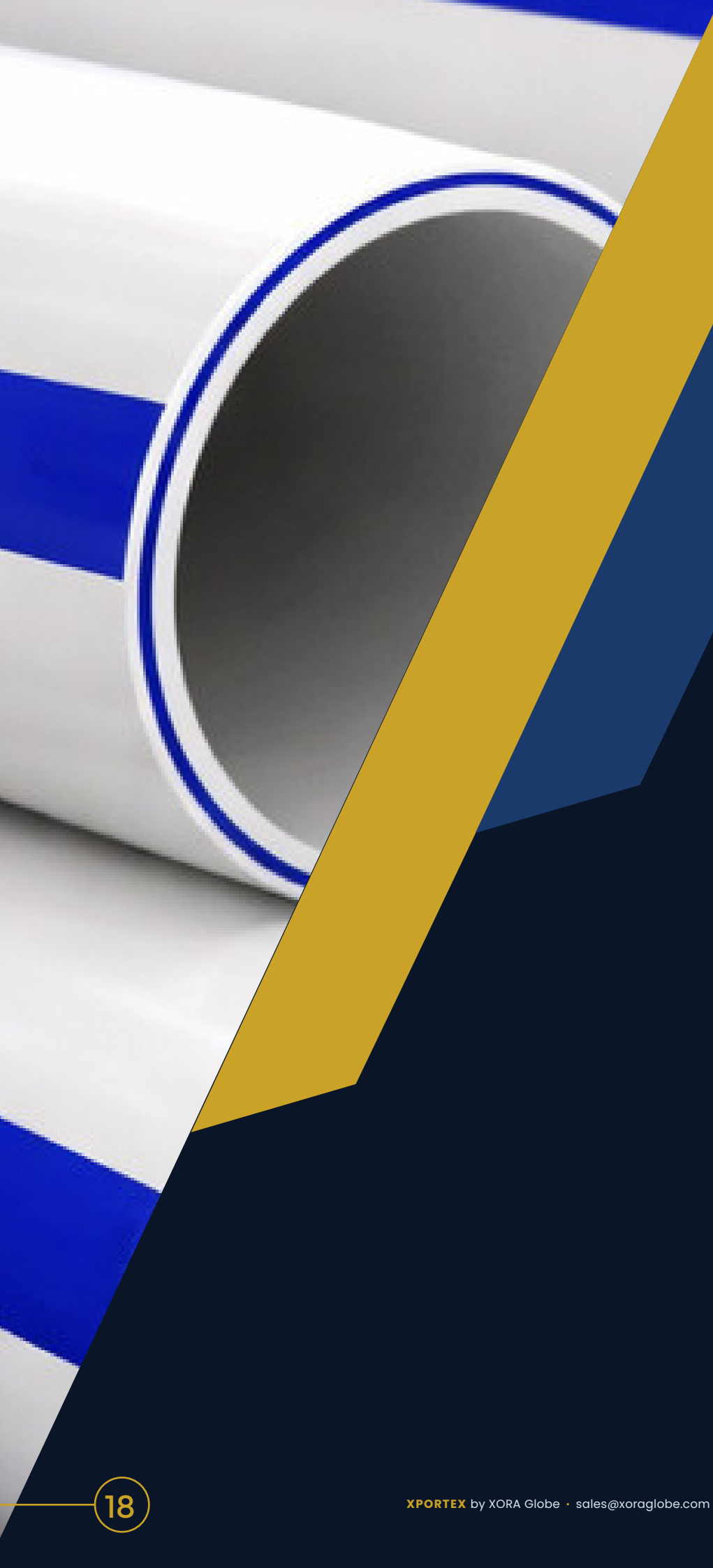
| Test | Unit | Material Standard | Standard Test Method | | | Reference |
|---|---|---|---|---|---|---|
| Vicat softening temperature VST | °C | IQS 1512 & 171 7 | ISO 25074/1995 | | | ≥ 79°C |
| | | | No. of tested pieces | | 2 | |
| | | | Thickness of the pieces | | 4.15 mm | |
| | | | cond. | Time: | 5 min. | |
| | | | | Temp: | 50°C | |
| | | | Immersion fuid: | | Oil | |
| | | | load used: | | 5 Kg | |
| | | | Temperature raising rate: | | 50k/hr | |




# Longitudinal reversion (shrinkage test)

| Test | Unit | Material Standard | Standard Test Method | | | Reference |
|---|---|---|---|---|---|---|
| Longitudinal reversion | % | IQS 1512 & 1717 | ISO 2505-2005 | | | 5.5% no bubbles or cracks shall appear on the pipe |
| | | | No. of tested pieces | | 3 | |
| | | | cond. | medium | air | |
| | | | - | period: | 180 min. | |
| | | | Test Temp. °C | | 150 °C | |
| | | | Heating Fluid | | air | |
| | | | Test duration | | 60 min. | |





# Impact resistance-clock method (Falling impact test) - (TIR)

| Test | Unit | Material Standard | Standard Test Method | | Reference |
|---|---|---|---|---|---|
| Impact resistance-clock method (falling impact test) | % | IQS 1512 & 1717 | ISO 3127-2017 | | TIR ≤ 10% |
| | | | temperature of the test | 50% | |
| | | | conditioning medium | water | |
| | | | Types of hammers | Dn110 mm D 90 | |
| | | | Mass of hammer | 0.5 Kg | |
| | | | Hammer fall height | 1000 mm | |
| | | | Total no. of Blows | 30 | |
| | | | No. of failed pieces | 0 | |



# Impact resistance (Ladder method)

| Test | Unit | Material Standard | Standard Test Method | | Reference |
|---|---|---|---|---|---|
| Impact resistance (Ladder method) a | % | IQS 1512 & 1717 | EN ISO 11173/2017 | | H50 ≧ 1 m maximum lowesr cut 0.5 m |
| | | | Test temperature | 0±1°C | |
| | | | Hammer type: | d90 | |
| | | | Hammer mass for: | 2kg | |



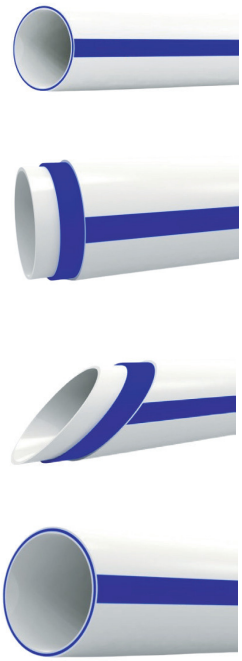
# Maximum Permitted limit for use of non-virgin materials

| Test | | Unit | Material Standard | Standard Test Method | Reference |
|---|---|---|---|---|---|
| Maximum permitted limit for use of non-virgin materials | Reprocessed material | % | IQS 1512 & 1717 | BS EN 1329-1/2020 | 100% |
| | External reprocessed or recycled materials with agreed specifications | | | | 20% |
| | External reprocessed or recycled materials without agreed specifications | | | | Not permitted for use |



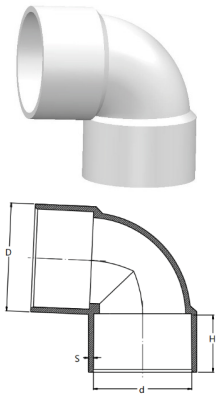
# uPVC pipes

| Dimension d (mm) | wall thickness s (mm) | structure of pipe | weight (Kg-m) | PU |
|---|---|---|---|---|
| 32 | 1.8 | single layer | 0.294 | 500 |
| 32 | 2.4 | single layer | 0.367 | 500 |
| 50 | 3 | single layer | 0.730 | 176 |
| 75 | 3 | single layer | 1.140 | 84 |
| 110 | 3 | single layer | 1.700 | 36 |
| 110 | 4 | single layer | 2.200 | 36 |
| 110 | 3 | single layer | 2.700 | 36 |
| 160 | 3 | single layer | 3.100 | 18 |
| 160 | 4 | single layer | 3.900 | 18 |
| 32 | 1.8 | multilayer | 0.294 | 500 |
| 32 | 2.4 | multilayer | 0.367 | 500 |
| 50 | 3 | multilayer | 0.730 | 176 |
| 70 | 3 | multilayer | 1.140 | 84 |
| 110 | 3 | multilayer | 1.700 | 36 |
| 110 | 4 | multilayer | 2.200 | 36 |
| 110 | 3 | multilayer | 2.700 | 36 |
| 160 | 3 | multilayer | 3.100 | 18 |
| 160 | 4 | multilayer | 3.900 | 18 |



**Structure of pipe:** Multi-layer & single- layer
**Material:** "Polyvinyl chloride
**Standards:** IQS 1512- 1717
**Color:** white with blue color stripe
**Form supplied:** ø 32-160 mm straight lengths 6 m
**Application:** Soil, Waste, drainage, sewage and underground applications
**Packing Unit:** PU in pipe

| tolerance on out-of-roundness | tolerance wall thickness s(mm) | outside diameter (max) | pipe type |
|---|---|---|---|
| 1.2 mm | 0.2 mm | 32.2 mm | 32 x 1.8 mm |
| 1.2 mm | 0.3 mm | 32.2 mm | 32 x 2.4 mm |
| 1.4 mm | 0.5 mm | 50.2 mm | 50 x 3 mm |
| 1.6 mm | 0.5 mm | 75.3 mm | 75 x 3 mm |
| 2.2 mm | 0.6 mm | 75.3 mm | 75 x 4 mm |
| 2.2 mm | 0.6 mm | 110.3 mm | 110 x 3 mm |
| 2.2 mm | 0.6 mm | 110.3 mm | 110 x 4 mm |
| 3.2 mm | 0.7 mm | 110.3 mm | 110 x 5 mm |
| 3.2 mm | 0.6 mm | 160.4 mm | 160 x 4 mm |
| 3.2 mm | 1.8 | 160.4 mm | 160 x 5 mm |



# Elbow 87.5°

| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 32 mm | 32 | 38 | 22 | 3 |
| 50 mm | 50 | 57 | 30 | 3.5 |
| 63 mm | 63 | 70 | 38 | 3.5 |
| 75 mm | 75 | 82.6 | 45 | 3.8 |
| 110 mm | 110 | 120 | 51 | 5 |
| 160 | 160 | 172 | 70 | 6 |
| 3/4" | 27 | 33.4 | 19 | 3.2 |
| 1" | 34 | 41.6 | 22 | 3.8 |
| 1.5" | 48 | 55.6 | 31 | 3.8 |
| 2" | 60 | 68 | 38 | 4 |



# Elbow 45°

| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 32 mm | 32 | 38 | 22 | 3 |
| 50 mm | 50 | 57 | 30 | 3.5 |
| 63 mm | 63 | 70 | 38 | 3.5 |
| 75 mm | 75 | 82.6 | 45 | 3.8 |
| 110 mm | 110 | 120 | 51 | 5 |
| 160 | 160 | 172 | 70 | 6 |
| 3/4" | 27 | 33.4 | 19 | 3.2 |
| 1" | 34 | 41.6 | 22 | 3.8 |
| 1.5" | 48 | 55.6 | 31 | 3.8 |
| 2" | 60 | 68 | 38 | 4 |



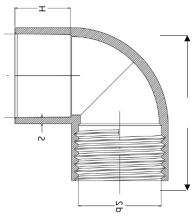
# Elbow with Acc

| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 63 mm | 63 | 70 | 38 | 3.5 |
| 75 mm | 75 | 82.6 | 45 | 3.8 |
| 110 mm | 110 | 120 | 51 | 5 |
| 160 mm | 160 | 172 | 70 | 6 |
| 2" | 60 | 68 | 38 | 4 |

# Elbow 90°SJXF.th

| Size | d1 | d2 | H. (mm) | S (mm) |
|---|---|---|---|---|
| 1.5″/1.5″ | 1.5″ | 1.5″ | 31 | 3.8 |
| 1.25″/1.5″ | 1.5″ | 1.25″ | 31 | 3.8 |

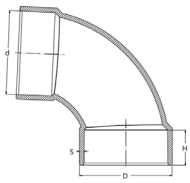




# Elbow Sanitary

| Size | d. (mm) | D (mm) | H (mm) | S (mm) |
|---|---|---|---|---|
| 110 | 110 | 120 | 51 | 5 |
| 75 | 75 | 85 | 45 | 4 |

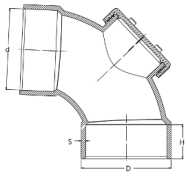


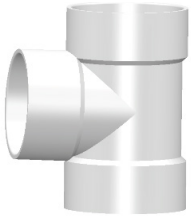


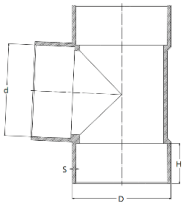
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|---|---|---|---|---|
| 110 | 110 | 120 | 51 | 5 |
| 75 | 75 | 85 | 45 | 4 |



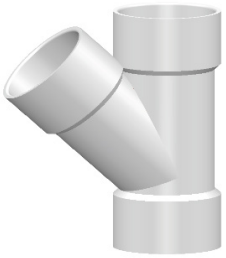


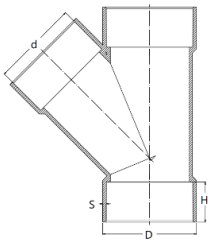




# Tee 87.5°

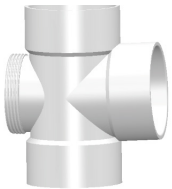
| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 32 mm | 32 | 38 | 22 | 3 |
| 50 mm | 50 | 57 | 30 | 3.5 |
| 63 mm | 63 | 70 | 38 | 3.5 |
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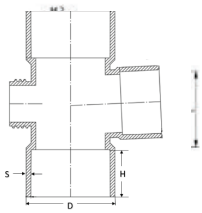




# Tee 45°

| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 32 mm | 32 | 38 | 22 | 3 |
| 50 mm | 50 | 57 | 30 | 3.5 |
| 75 mm | 75 | 82.6 | 45 | 3.8 |
| 110mm | 110 | 120 | 51 | 5 |
| 160 mm | 160 | 172 | 70 | 6 |
| 3/4" | 27 | 33.4 | 19 | 3.2 |
| 1" | 34 | 41.6 | 22 | 3.8 |
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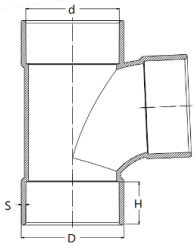
# Tee 87.5° with Acc

| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 63 mm | 63 | 70 | 38 | 3.5 |
| 75 mm | 75 | 82.6 | 45 | 3.8 |
| 110 mm | 110 | 120 | 51 | 5 |
| 160 mm | 160 | 172 | 70 | 6 |
| 2" | 60 | 68 | 38 | 4 |

# Tee Sanitary

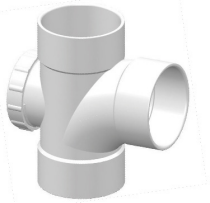
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| 110 | 110 | 120 | 51 | 5 |
| 75 | 75 | 85 | 45 | 4 |

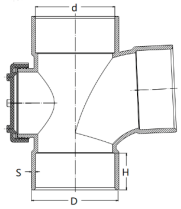





# Tee Sanitary with Acc

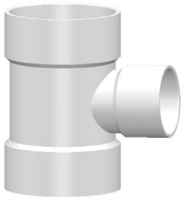
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|---|---|---|---|---|
| 110 | 110 | 120 | 51 | 5 |
| 75 | 75 | 85 | 45 | 4 |

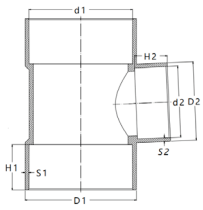




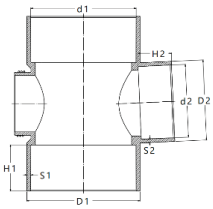

# Tee Reducer 87.5°

| Size | d1. (mm) | D1. (mm) | H1. (mm) | S1. (mm) | d2. (mm) | D2. (mm) | H2. (mm) | S2. (mm) |
|---|---|---|---|---|---|---|---|---|
| 75/2" | 75 | 82.6 | 45 | 3.8 | 60 | 68 | 38 | 4 |
| 110/2" | 110 | 120 | 51 | 5 | 60 | 68 | 38 | 4 |
| 110/75 | 110 | 120 | 51 | 5 | 75 | 82.6 | 45 | 3.8 |
| 160/110 | 160 | 172 | 70 | 6 | 110 | 120 | 51 | 5 |



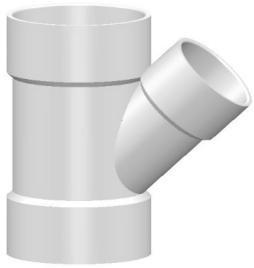


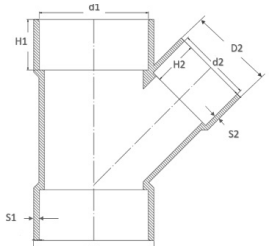





# Tee Reducer with Acc

| Size | d1. (mm) | D1. (mm) | H1. (mm) | S1. (mm) | d2. (mm) | D2. (mm) | H2. (mm) | S2. (mm) |
|---|---|---|---|---|---|---|---|---|
| 75/2" | 75 | 82.6 | 45 | 3.8 | 60 | 68 | 38 | 4 |
| 110/2" | 110 | 120 | 51 | 5 | 60 | 68 | 38 | 4 |
| 110/75 | 110 | 120 | 51 | 5 | 75 | 82.6 | 45 | 3.8 |
| 160/110 | 160 | 172 | 70 | 6 | 110 | 120 | 51 | 5 |

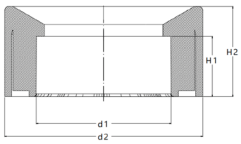





# Tee Reducer with Acc

| Size | d1. (mm) | D1. (mm) | H1. (mm) | S1. (mm) | d2. (mm) | D2. (mm) | H2. (mm) | S2. (mm) |
|---|---|---|---|---|---|---|---|---|
| 110/50 | 110 | 120 | 51 | 5 | 50 | 57 | 30 | 3.5 |
| 110/2" | 110 | 120 | 51 | 5 | 60 | 68 | 38 | 4 |
| 110/75 | 110 | 120 | 51 | 5 | 75 | 82.6 | 45 | 3.8 |
| 160/110 | 160 | 172 | 70 | 6 | 110 | 120 | 51 | 5 |

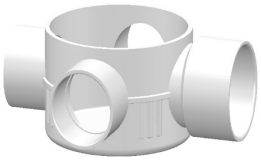


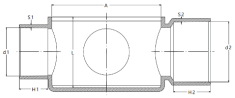



# Bush

| Size | d1. (mm) | H1. (mm) | d2. (mm) | H2 (mm) |
|---|---|---|---|---|
| 1.5"/2" | 48 | 31 | 60 | 38 |
| 2"/75" | 60 | 38 | 75 | 40 |
| 1.5"/75" | 48 | 31 | 75 | 40 |
| 1.5"/110" | 48 | 31 | 110 | 48 |
| 2"/110 | 60 | 38 | 110 | 48 |
| 75/110 | 75 | 40 | 110 | 48 |
| 110/160 | 110 | 48 | 160 | 58 |

# Floor Trap

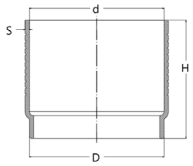




| Size | d1. (mm) | H1. (mm) | S1. (mm) | d2. (mm) | H2. (mm) | S2. (mm) | L. (mm) | A. (mm) |
|---|---|---|---|---|---|---|---|---|
| 75/1.5" | 75 | 40 | 3.8 | 48 | 31 | 3.2 | 100 | 110 |
| 75/2" | 75 | 40 | 3.8 | 60 | 38 | 4 | 100 | 110 |
| 1.5"/2" | 48 | 31 | 3.2 | 60 | 38 | 4 | 100 | 110 |
| 2"/2" | 60 | 38 | 4 | 60 | 38 | 4 | 100 | 110 |
| 1.5"/2" | 48 | 31 | 3.2 | 60 | 38 | 4 | 70 | 110 |
| 200/110 | 110 | 48 | 5 | 160 | 58 | 6 | 200 | 200 |

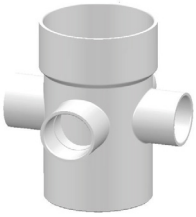
# Floor Trap raiser

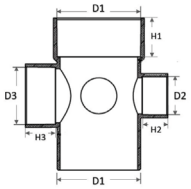





| Size | d. (mm) | D (mm) | H. (mm) | S. (mm) |
|---|---|---|---|---|
| 110 | 110 | 110 | 110 | 4.5 |
| 125 | 125 | 125 | 115 | 4.5 |

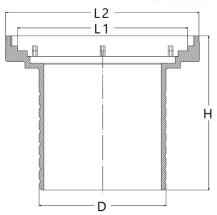
# Floor Trap complex






| Size | D1. (mm) | H1. (mm) | D2. (mm) | H2. (mm) | D3. (mm) | H3. (mm) |
|---|---|---|---|---|---|---|
| 75/75 | 110 | 48 | 75 | 40 | 75 | 40 |
| 75/50 | 110 | 48 | 75 | 40 | 50 | 30 |
| 50/50 | 110 | 48 | 50 | 30 | 50 | 30 |

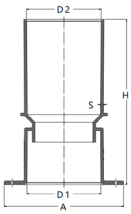







# Shower Drain

| Size | D. (mm) | H. (mm) | L1. (mm) | L2 (mm) |
|---|---|---|---|---|
| D1 100 | 101.7 | 123.7 | 136 | 155.3 |
| D2 100 | 101.7 | 123.7 | 136 | 155.3 |
| D3 100 | 101.7 | 123.7 | 136 | 155.3 |
| D4 100 | 101.7 | 123.7 | 136 | 155.3 |
| D1 110 | 110 | 123.7 | 136 | 155.3 |
| D2 110 | 110 | 123.7 | 136 | 155.3 |
| D3 110 | 110 | 123.7 | 136 | 155.3 |
| D4 110 | 110 | 123.7 | 136 | 155.3 |

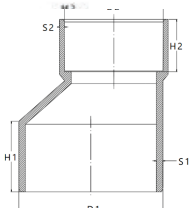





# Concrete Connection socket

| Size | D1. (mm) | D2. (mm) | H. (mm) | S. (mm) | A. (mm) |
|---|---|---|---|---|---|
| 110 | 110 | 110 | 2500 | 4 | 1800 |
| 75 | 75 | 75 | 2500 | 3 | 1320 |





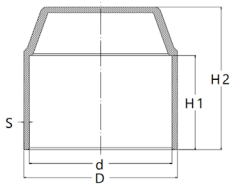

# Eccentric Reducer

| Size | D1. (mm) | H1. (mm) | S1. (mm) | D2. (mm) | H2. (mm) | S2. (mm) |
|---|---|---|---|---|---|---|
| 110/50 | 110 | 51 | 5.5 | 50 | 28 | 3.5 |
| 110/75 | 110 | 51 | 5.5 | 75 | 40 | 4 |

# Air Vent

| Size | d. (mm) | D. (mm) | H1. (mm) | H2. (mm) | S. (mm) |
|---|---|---|---|---|---|
| 110 | 110 | 120 | 51 | 100 | 5 |
| 75 | 75 | 82.6 | 45 | 88 | 3.8 |

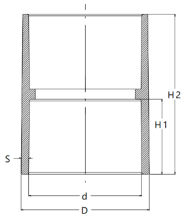





# Socket

| Size | d. (mm) | D. (mm) | H1. (mm) | H2. (mm) | S (mm) |
|---|---|---|---|---|---|
| 32 mm | 32 | 38 | 22 | 51 | 3 |
| 50 mm | 50 | 57 | 30 | 67 | 3.5 |
| 63 mm | 63 | 70 | 38 | 81 | 3.5 |
| 75 mm | 75 | 82.6 | 45 | 94.2 | 3.8 |
| 110 mm | 110 | 120 | 51 | 107 | 5 |
| 160 | 160 | 172 | 70 | 145 | 6 |
| 3/4" | 27 | 33.4 | 19 | 39.7 | 3.2 |
| 1" | 34 | 41.6 | 22 | 47.5 | 3.8 |
| 1.5" | 48 | 55.6 | 31 | 61.7 | 3.8 |
| 2" | 60 | 68 | 38 | 78.5 | 4 |

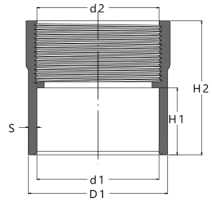




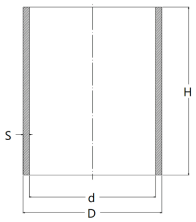

# Tapped Socket

| Size | d. (mm) | D. (mm) | H1. (mm) | H2. (mm) | S. (mm) |
|---|---|---|---|---|---|
| 50/1.5" | 50 | 57.5 | 30 | 55 | 3.5 |





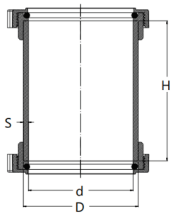





# Rappier Socket

| Size | d. (mm) | D (mm) | H (mm) | S (mm) |
|---|---|---|---|---|
| 110 | 110 | 120 | 148 | 5 |

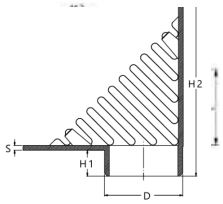





# Expansion Socket

| Size | d. (mm) | D (mm) | H (mm) | S (mm) |
|---|---|---|---|---|
| 110 | 110 | 120 | 148 | 5 |





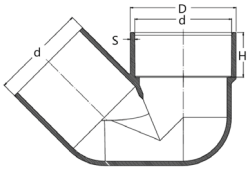

# Roof Drain

| Size | d. (mm) | H1. (mm) | H2. (mm) | S. (mm) |
|---|---|---|---|---|
| 110 | 110 | 24.9 | 179 | 4.6 |
| 75 | 75 | 24.9 | 179 | 4.6 |

# Syphon

| Size | d. (mm) | D (mm) | H (mm) | S (mm) |
|---|---|---|---|---|
| 110 | 110 | 120 | 51 | 5 |

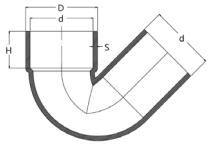





# Sanitary Syphon

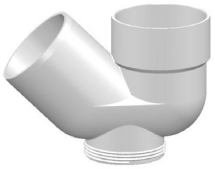
| Size | d. (mm) | D. (mm) | H. (mm) | S. (mm) |
|---|---|---|---|---|
| 50 | 50 | 57 | 30 | 3.5 |
| 75 | 75 | 82.6 | 45 | 3.8 |

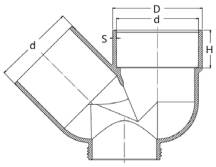





# Syphon with Acc

| Size | d. (mm) | D (mm) | H (mm) | S (mm) |
|---|---|---|---|---|
| 110 | 110 | 120 | 51 | 5 |

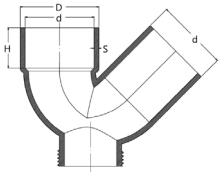


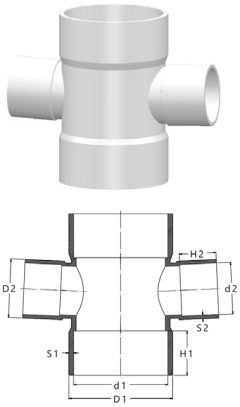



# Sanitary Syphon with Acc

| Size | d. (mm) | D. (mm) | H. (mm) | S. (mm) |
|---|---|---|---|---|
| 50 | 50 | 57 | 30 | 3.5 |

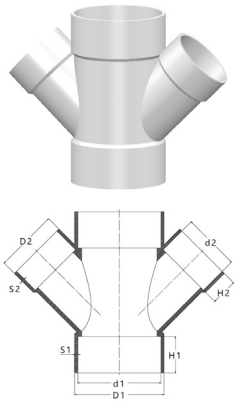






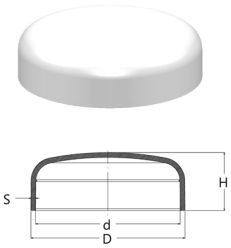

# Double Branch Tee 87.5°

| Size | d1. (mm) | D1. (mm) | H1. (mm) | S1. (mm) | d2. (mm) | D2. (mm) | H2. (mm) | S2. (mm) |
|---|---|---|---|---|---|---|---|---|
| 110/110 | 110 | 120 | 51 | 5 | 110 | 120 | 51 | 5 |
| 110/2" | 110 | 120 | 51 | 5 | 60 | 68 | 38 | 4 |
| 110/75 | 110 | 120 | 51 | 5 | 75 | 82.6 | 45 | 3.8 |



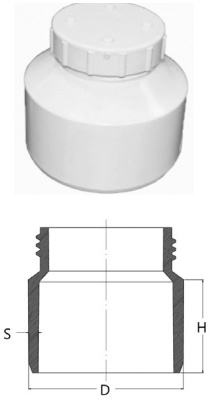

# Double Branch Tee 45°

| Size | d1. (mm) | D1. (mm) | H1. (mm) | S1. (mm) | d2. (mm) | D2. (mm) | H2. (mm) | S2. (mm) |
|---|---|---|---|---|---|---|---|---|
| 110/2" | 110 | 120 | 51 | 5 | 60 | 68 | 38 | 4 |
| 110/75 | 110 | 120 | 51 | 5 | 75 | 82.6 | 45 | 3.8 |




# Line End Cap

| Size | d. (mm) | D. (mm) | H. (mm) | S (mm) |
|---|---|---|---|---|
| 50 mm | 50 | 57 | 21.2 | 3.5 |
| 75 mm | 75 | 82.6 | 30 | 3.8 |
| 110 mm | 110 | 120 | 44 | 5 |
| 160 mm | 160 | 172 | 44 | 6 |
| 32 mm | 32 | 36.5 | 15 | 3 |




# Clean out

| Size | D. (mm) | H. (mm) | S. (mm) |
|---|---|---|---|
| 2" | 60 | 37.5 | 4.2 |
| 75 | 75 | 45 | 4.6 |
| 110 | 110 | 51 | 5.3 |
| 160 | 160 | 69.5 | 5.6 |





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