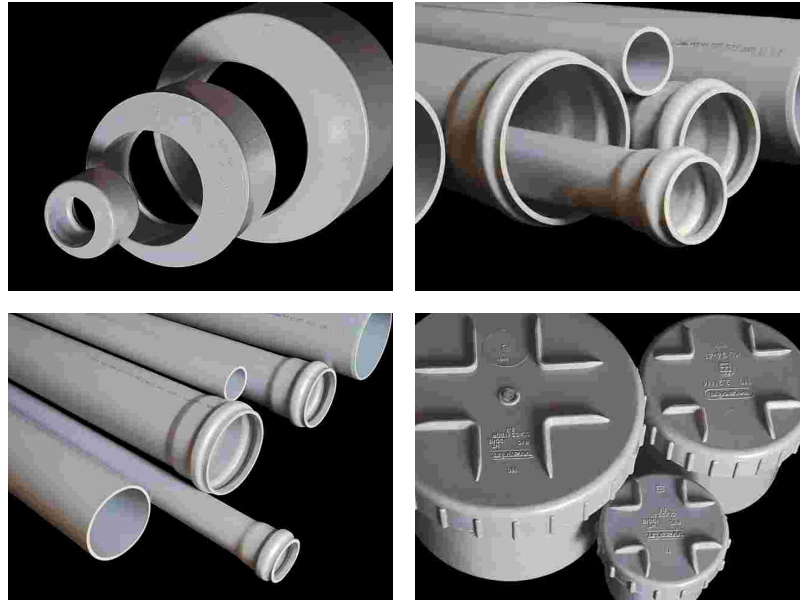


Nikasi

The complete u-PVC SWV pipe system



Product Information

DADEX

INTRODUCTION

Nikasi is a complete soil, waste and vent (SWV) system made of unplasticised Polyvinyl Chloride (uPVC) compound. It has established itself in Pakistan for in-house and industrial discharge systems, due to its excellent physical and chemical properties and ease of installation.

Dadex is Pakistan's exclusive licensee of Wavin Overseas b.v., of the Netherlands, one of the world's leaders in thermoplastic pipe systems. Dadex manufactures Nikasi pipes and fittings in Pakistan and also offers fittings imported from Wavin Overseas.

Nikasi enjoys almost a decade of unmatched services to its customers. In addition to unmatched quality, it is also supported by efficient pre-sales, during sales and after sales services.



SPECIFICATIONS

• Nikasi Pipes

Nikasi pipes conform to ISO 3633 and PS 3214.

• Nikasi Fittings

Nikasi Fittings with Solvent Cement Socket Joint and with rubber ring socket joint, both conform to ISO 3633.

• Rubber Rings

Dadex rubber rings are manufactured as per PS 1915 and ISO 4633 standards.

PRODUCT RANGE

Nikasi Pipe Dimension

Nikasi pipes are available in 40, 50, 75, 110 and 160mm diameter in standard length of 3 and 4 meters. There are two types of Nikasi pipes manufactured by Dadex which include:

1. Socket end with one end socketed for rubber ring.
2. Plain end with both ends plain.

Nominal outside diameter (mm)	Minimum wall thickness (mm)	
	Vent Pipe	Soil Pipe
40	1.8	3.2
50	1.8	3.2
75	1.8	3.2
110	2.2	3.2
160	3.2	4.0

Nikasi Fittings

To meet the requirements of different users, two types of Nikasi fittings are available for Nikasi pipes:

2. Nikasi fittings with Rubber Ring Joint

Both types of fittings are compatible with Nikasi pipe systems.

Rubber Rings

Dadex is the only pipe manufacturer in Pakistan that produces high quality rubber rings conforming to international standards for all its pipe systems.



GENERAL ADVANTAGES

1. Low Flow Loss

Exceptionally low friction and smooth inside surface of Nikasi Pipe System minimises the build up of deposits commonly seen in conventional cast iron (C.I.) pipe system.

2. Non-Corrosiveness and Chemical Resistance

Nikasi Pipe System is non-corrosive and it is highly resistant to mineral acids, alkalis and aqueous salt solutions. Our technical staff should be consulted for further assistance.

3. Lightness

Nikasi pipes are lightweight, they weigh only one fifth of C.I. Pipe. They have a lower transportation, handling and installation cost.

4. Self-Extinguishing

Nikasi is self-extinguishing and does not support combustion.

5. Non-Conductivity of Electricity

Nikasi does not conduct electricity and this outstanding feature makes this system safe to use in buildings.

HANDLING & STORAGE TIPS

Reasonable care should be exercised in handling Nikasi particularly in very hot or cold conditions. Some useful tips are as follows:

1. Pipes should be stacked on a flat base or level ground or alternatively on timber bearers at spacing not greater than 1.5m while the width of the bottom layer of the stack should not exceed 3m.
 2. Pipe should be stacked not more than 1m high.
 3. Pipe stacks should contain one diameter size only. If this is not possible than the largest diameter should be stacked at the bottom. Small pipes may be nested inside larger pipes. If pipes are transported one inside the other, the inner pipes should always be removed first.
- When stored in the open for long periods or exposed to strong sunlight the stack should be shielded with an opaque material.
5. Fittings should be stored under cover and kept in their cartons or packing until required.
 6. Solvent cement solution and cleaning fluid should be stored in a cool dry place, out of direct sunlight and away from any heat source.
 7. The given table shows recommended distances in metre for support centres that are necessary for a proper pipe system installation.

Support Centres for un-plasticised polyvinyl chloride (u PVC) pipework system

Nominal Outside Diameter d_e	Pipework	
	Horizontal (10 x d_e) m	Vertical m
32	0.32	1.2
40	0.40	1.2
50	0.50	1.5
63	0.63	1.5
75	0.75	2.0
90	0.90	2.0
110	1.10	2.0
125	1.25	2.0
160	1.60	2.0
200	2.0	2.0

The values shown are for general installations only. Attention is drawn to special requirements that may be needed in more demanding applications.

JOINTING TECHNIQUES

1. Solvent Cement Jointing
2. Rubber Ring Push Fit Jointing

1. Solvent Cement Jointing

For jointing pipe to pipe or pipe to fitting with solvent cement, both the parts that are to be jointed must be dry and clean. Chamfer the pipe end and remove any dust or grease from both sides. Apply solvent cement using a paint brush on both the outside of spigot end and the inside of the socket, then insert the spigot end fully into the socket.

Prior to insertion, mark the position of the socket edge with a pencil or felt tip pen on the pipe.

Remove excess solvent cement with dry cloth. The joint may be handled after few minutes and can be tested/commissioned after 24 hours.



2. Rubber Ring Push Fit Jointing

Clean the pipe's spigot end from the outside and the sealing groove of the fitting from inside.

Insert rubber ring into the socket end of the pipe/fitting. To avoid dislocation during/after jointing (pipe to fitting or pipe to pipe) always ensure that the rubber ring is fixed in the right direction.

Apply the lubricant (soap solution) uniformly to the spigot end and sealing ring and push the spigot end into the socket containing sealing ring until fully home.

Prior to insertion, mark the position of the socket edge with a pencil or felt-tip pen on the pipe and withdraw the pipe from a socket by approximately 10mm to allow for thermal expansion.



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