



PVC
PIPES CATALOGUE
U.PVC & C.PVC



Al-Watania Plastics



بلاستيك الوطنية



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British standard specification

المواصفات القياسية البريطانية



IV



Class	B	C	D	E	O
Bar	6	9	12	15	Non Pressure

Note : 2% of rated pressure should be reduced for each 1°C rise above 20°C

Size - Inch	Pressure Rating Bar	
	Class 6	Class 7
½	28	40
¾	22	32
1	24	32
1¼	20	28
1½	18	25
2	-	22

Manufactured to : BS 3505 / Classes B, C, D & E, BS 3506, Classes 0, 6 & 7

Standard Length : 5.8 and 6 meters

Color : Grey (except Class 0 which is white & Class B in black)

Soket : Solvent weld

: Plain - end

1 - A wide range of compatible fittings manufactured to BS 4346 part 1 by Durapipe (U.K) are available.

2 - Class D pipes are non - stock items, can be produced on request.





Quality Control Testing

Al-Watania PVC Factory is equipped with a testing laboratory having a fully trained staff for evaluation of raw materials and finished pipes.

In order to maintain uniform quality level, all our routine control tests are carried out as per SAS, and DIN Standards.



إختبارات الجودة

لقد زود مصنع بلاستيك الوطنية بمختبرات على أعلى المستويات الفنية تحت إشراف مجموعة من المختصين من ذوي الخبرة ليؤكدوا أفضل مستويات الجودة بدءاً من المواد الأولية وانتهاءً بالأنابيب الجاهزة للاستعمال .

إن هذه المجموعة تعمل وبكل كفاءة لتبقى أنابيب الوطنية بجودتها المميزة و المطابقة بمواصفاتها لنظام المواصفات السعودية المتفق مع نظام المواصفات الألماني .



APPENDIX TO CERTIFICATE OF REGISTRATION

Al Watania Plastics

This appendix identifies the locations covered by the management system of Al Watania Plastics. This appendix is linked to the Main Certificate # QMS 180125-01 and cannot be shown nor reproduced without it.

Al Watania Plastics
 Block No. 2016, M. 41, 2nd Industrial City, Riyadh, Kingdom of Saudi Arabia
 Manufacturer of Disposable Plastic Products by Thermo Forming and Injection Molding Methods.

CERTIFICATE OF REGISTRATION

Al Watania Plastics

This is to certify that the management system of Al Watania Plastics Main City, New Strategy Industrial Zone, Street 202, Post Box- 10164, Riyadh - 11483, Kingdom of Saudi Arabia has been registered by Intertek as conforming to the requirements of **ISO 9001:2015**

The management system is applicable to: Manufacturer of Plastic Products including PVC Pipes, PPR Pipes, Flexible Packaging, Blow Film, Cap Irrigation Tape for Extension, Injection Molding, Blow Molding, and Thermo Forming Methods.

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AL WATANIA CERTIFICATES

CERTIFICATE
No. 9660262

This is to certify the Food Safety Management System of **AL WATANIA PLASTICS** Block No. 2016, Industrial Zone, P.O. Box: 10954 Riyadh, 11483, Saudi Arabia.

has been assessed and found to be in compliance with the Standard **ISO 22000:2005**

applicable to **Manufacturer of Plastic products for food packaging applications including Flexible Packaging, Blow Film, Injection Molding & Thermo-forming methods.**

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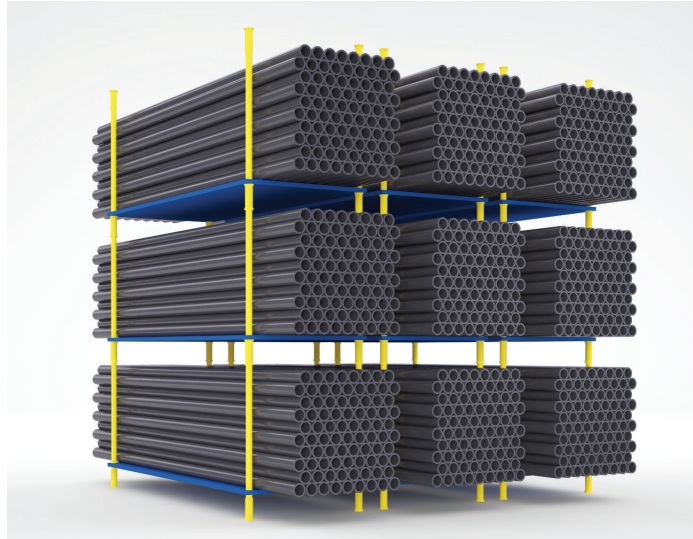
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التحميل و التخزين

مواسير الوطنية بي في سي ، يجب نقلها وتحميلها وتنزيلها بكل عناية وإهتمام لتجنب حدوث أية أضرار ميكانيكية أثناء ذلك ، ويجب تكديسها على شكل طبقات وبحيث تكون المواسير بعكس بعضها وكما هو موضح بالصور ولا يجب رصها بكميات كبيرة خاصة عند درجات حرارة مرتفعة حتى لا يؤدي ذلك الى اية إنبعاجات أو تلف في الوصلات .
وفي حال تخزينها في مستودعات ولمدة طويلة يجب وضعها على أرضية مستقيمة أو عوارض أو دعائم مستقيمة لا يقل عرضها عن 75 ملم وأن لا يزيد المسافات بين الدعائم عن متر واحد ويجب أيضاً أن لا يزيد ارتفاع الرصة عن 7 طبقات أو 1,75 متر أيها أقل , وفي حال رص أصناف مختلفة يجب أن تكون الاصناف من النوع الواحد في نفس الصف و الأصناف ذات السماكة الأعلى في الأسفل .

Handling & Storage

U-PVC Should be handled with care to avoid mechanical damage before installation. pipes should not be stacked in large pipes especially as under warm temperature condition the bottom pipes may distort, thus giving rise to difficulty in pipe alignment and joining at sites.

Socketed pipes should be stacked in layers with sockets placed at alternate ends of the stack and with sockets protruding so as to avoid lop - sided stacks and the imparting of a permanent set to the pipes.

For long term storage, the pipes should be stored either on flat level floors or pipe racks which provide continuous support. If this is not possible supports of at least 75mm bearing width at spacing not greater than 1 meter centres should be placed beneath the pipes.

In such racks the pipes may be stored not more than seven layers high or max 1.75 meters whichever is lower if different classes of pipes are kept in the same rack then the thickest classes must always be at the bottom.

التخزين في الموقع

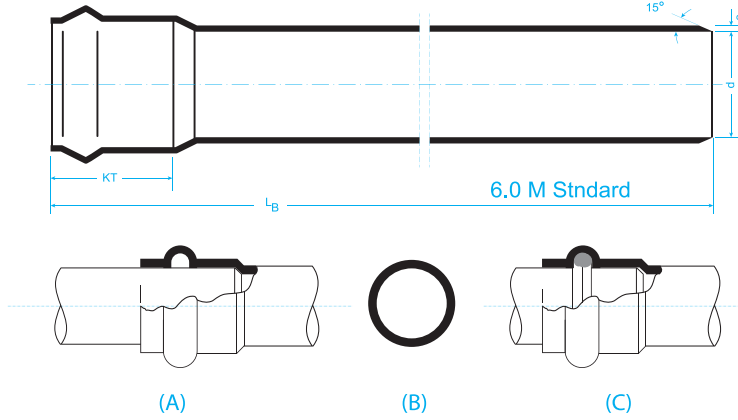
يجب الاهتمام في تخزين المواسير في مواقع العمل والتنفيذ بحيث يتم وضع المواسير على أرضية مستقيمة خالية من الأحجار ولا يجب أن يزيد تكديسها عن ثلاث طبقات ويجب ان تكون المواسير في جميع الأحوال محمية من أشعة الشمس المباشرة ومن درجات الحرارة العالية خاصة في فصل الصيف .

Field Storage

For temporary storage in the field / site where racks are not provided, care should be taken that the ground is level and free from loose stones.

Pipes stored in the field should not exceed three layers and should be either stored in the shade or covered to prevent excess heating under direct sunlight when the temperature of dark colored UPVC pipes can reach 60oC to 70oC in summer.

uPVC Pipe with wallthickened socket joint (Rubber Joint)
of unplasticized Poly vinyl chloride (uPVC) .



- يجب تأكد من أن نهاية الانبوبة والوصله خاليان من الغبار ، وجافة .
- دخل الأنبوبة في الوصله بدون الحلقة المطاطية ثم ضع علامة على الأنبوب عند إدخاله بالكامل.
- ثم ضع الحلقة المطاطية في فتحة التجويف
- يجب ان تكون نهاية الماسورة مشطوفة بحيث يمكنها الدخول في نهاية الماسورة الاخرى بسهولة
- ادخل الأنبوب في الجلبة إلى العلامة التي تم إجراؤها مسبقًا.

- Ensure that the spigot and socket are free from dust, and as dry as possible .
- Insert pipe into the socket without seal ring place and mark pipe when it fully inserted.
- Place seal in groove of socket ensuring that seal is correct way round .
- Must be the end of the pipe chamfered , so be viable to enter into the other end of the pipe easily.
- Push the pipe firmly into the socket up to the insertion mark previously made .

طرق التركيب

تتوفر أنابيب الوطنية بأطوال قياسية بطول 6 أمتار. ويمكن توفيرها بأطوال أخرى حسب طلب العميل .

توصيل الأنابيب :

يتم توصيل أنابيب الوطنية بطرق عديدة:

- 1 - انبواب ذات نهاية عادية (PE) مع وصلات منفصلة.
- 2 - انبوبة ذات الحلقة المطاطية (RR)
- 3 - انبواب ذات وصلة غراء (SC)

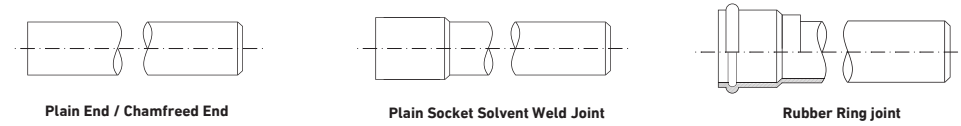
يمكن توفير الأنابيب مع طرفي النهايات مشنفرة (DC) بأطوال 6 أمتار أو أطول مختلفة ، حسب الطلب .

Installation

Al-Watania pipes are available in nominal standard lengths of 6 meters. Other lengths can be supplied by arrangement customer requiremnt.

Pipe Joint- Al-Watania pipes are supplied with various joint system.

Plain Ended (PE) pipe for use with separate Couplings, Rubber Ring, Solvent (Adhesive) Weld or Special Fittings. Pipe can also be supplied with both ends chamfered (DC) if requested, in lengths of 6 metres ather lengths can be supplied.



توصيل الحلقات المطاطية (RRJ) :

يتم تصنيع الانابيب بنهاية ذات تجويف داخلي لوضع حلقة مطاطية مانعة للتسرب.

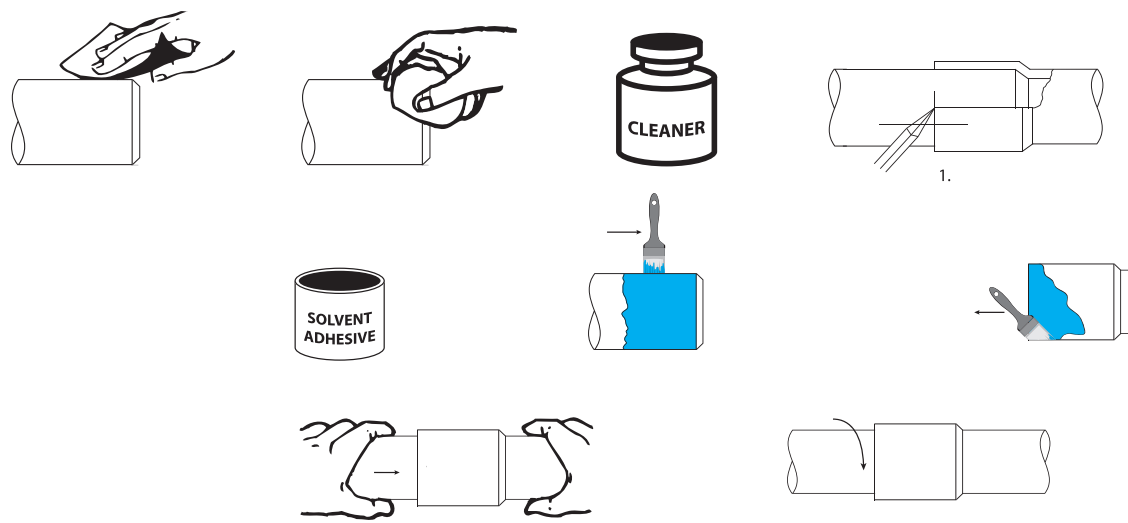
Rubber ring joints (R/J).

Pipes are supplied with integral grooved socket at one end incorporating elastomeric sealing ring.

Pipes up to 110 mm may be jointed easily with solvent adhesives.

Larger sizes require more special techniques and require tow men to make such joints.

- 1- Jointing Procedure. Mark depth of entry of the pipe into the socket and alignment mark.
- 2- Make small chamfer on the edge of the pipe and with medium file.
- 3- Roughen the outside of the pipe and the inside of the socket using sand paper or emery cloth upto the entry mark.
- 4- Clean both surfaces and remove all dust, grease and swaerf using a dry clean cloth and cleaner.
- 5- Stir adhesive thoroughly.
- 6- Apply adhesive without delay after cleaning , using a flat clean brush .



- 7- Immediately insert the pipe into the socket up to the entry mark, align pipe and socket. Hold in position for a few seconds, then wipe off excess cement (DO NOT TWIST).

يمكن توصيل المواسير حتى 110 مم بسهولة باستخدام المواد اللاصقة المذيبة.

تتطلب الأحجام الأكبر تقنيات أكثر خصوصية وتتطلب من الفنيين سحب هذه الوصلات .

- 1 - إجراءات الربط: ضع علامة على دخول الأنبوب في الجلبة وعلامة المحاذاة.
- 2 - جعل الشطب الصغير على حافة الأنبوب وفي الوسط تماماً .
- 3- قم بتخشين الجزء الخارجي من الأنبوب والجزء الداخلي من المقبس باستخدام ورق الصنفرة حتى علامة الإدخال.
- 4- نظف السطح الخارجي ، و قم بإزالة جميع الأتربة والشحوم باستخدام قطعة قماش نظيفة.
5. تحرك المادة اللاصقة جيداً.
- 6- ضع المادة اللاصقة دون تأخير بعد التنظيف باستخدام فرشاة نظيفة.

- 7 - قم بإدخال نهاية الأنبوب على الفور حتى يصل إلى علامة الإدخال ، قم بمحاذاة الأنبوب والمقبس.
- قم بتثبيتها على هذا الوضع لبضع ثوان ، ثم امسح الغراء الفائض مع مراعاة عدم لف الأنبوب في أي اتجاه .