



GOLDEN GM شركة البوابة الذهبية للصناعات البلاستيكية المحدودة
GOLDEN GATE MANUFACTURERS FOR PLASTIC INDUSTRIES LTD.

Golden Gate Manufactory for Plastic Industry Ltd.,
Factory: Tajoura Industrial Zone - Tripoli
Sales Office & Management: Gameat AL dawa Road
P.O.Box: 199, 3032
Fax: 4838675
Mobil: 0913220503

www.goldengm.com

emadzawia@yahoo.com

شركة البوابة الذهبية للصناعات البلاستيكية المحدودة
المصانع : المنطقة الصناعية تاجوراء - طرابلس
الإدارة والمبيعات: بوابة الجبس - طريق جمعية الدعوة الإسلامية
صندوق بريد 199, 3032
فاكس : 4838675
نقل 0913220503

CERTIFICATE

To Whom it may concern.

We Golden Gate Manufactory Ltd., Company Tripoli Libya, here by certify and confirm that our UPVC Pipes are Manufacturing from SABIC PVC 67 S materials.

The above declaration are given in good faith to the best of our knowledge of UPVC Pipes Manufacturing technology.

For Golden Gate Manufactory Ltd.,

Authorized Signatory

Quality Control

PVC Pipe

Golden GM Ltd.,

Date: 25/03/2014

Tripoli - Libya

Golden Gate Co
for Plastic Industrials Ltd
Tripoli - Libya

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شركة ذات مسؤولية محدودة - رأس مال 1,000,000 دينار ليبي - سجل تجاري 32534 - غرفة تجارية 2075
LIMITED LAIBILITY COMPANY, PAIDUP CAPITAL 1,000,000 LYD., C.R 32534 - C.C 2075

GOLDEN



GOLDEN GM



Tripoli-Libya

Date: 25/03/2014

To Whom it may concern.

We Golden Gate manufacturers Ltd. Co. Tripoli Libya, was established in the year of 2012, as one of the leading and largest plastic processors in Libya.

GOLDEN GM producing Unplasticized Polyvinyl Chloride (UPVC) Pipes are made from the Pure & Premium Grade of PVC n(Polyvinyl chloride) Resin Raw materials are supplied from SABIC Company.

UPVC means no any plasticizer added in compounding formulation of PVC pipes manufacturing technology. PVC Pipes should be RIGID (Not Flexible), in worldwide PVC pipe manufacturer mentioning in their pipes printing message is UPVC (Unplasticized Polyvinyl chloride) or RPVC (Rigid Polyvinyl chloride), that means both are the same meaning of the product PVC pipes are made from without any liquid plasticizer.

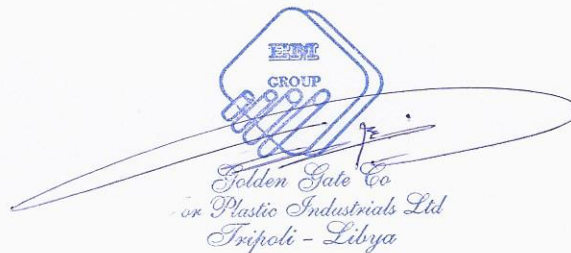
The above information are given in good faith to the best our knowledge of PVC pipes Manufacturing technology.

If need any further information regarding this subject please feel free to contact ue

For Golden Gate Manufactory Ltd.,

Best Regards

Quality Controller.
PVC Pipes.
Golden GM Ltd.



Golden Gate Co
or Plastic Industries Ltd
Tripoli - Libya

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CERTIFICATE

To Whom it may concern.

This is to certify that the UPVC Pipes ASTM D1785 specification (SCH 40 – white color)
manufactured and tested by us (Golden Gate Manufactory Ltd., Tripoli Libya) complies with all the
requirements and passed the standard test methods.

Which can be utilized for cleaning water purposes hence, can be used for sewers and draining water
purposes.

For Golden Gate Manufactory Ltd.,

Authorized Signatory

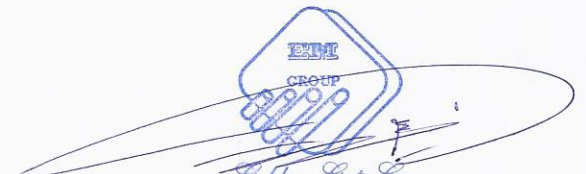
Quality Control

PVC Pipe

Golden GM Ltd.,

Date: 25/03/2014

Tripoli - Libya


Golden Gate Co
For Plastic Industrials Ltd
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To Whom it may concern.

This is the Specification which we got it from Technical Management of GOLDEN GM Co.

BS 4576 : 1 : 1970

TABLE 1. PIPE Dimensions

Nominal Size	Mean Outside diameter		Tolerance on Outside diameter		Minimum Wall thickness		Minimum bore	
	mm	(in)	mm	(in)	mm	(in)	mm	(in)
63 mm	63.1	(2.486)	±0.15	(±0.006)	1.8	(0.071)	58.4	(2.300)
	2 1/2 in	68.15	(2.696)	±0.18	(±0.007)	1.8	(0.071)	63.5
75 mm	75.20	(2.961)	±0.20	(±0.008)	1.8	(0.071)	70	(2.756)

TABLE 2. DIMENSIONS OF TRUE HALFE-ROUND*GUTTERS

Nominal Size	Minimum Wall thickness		Minimum Cross-Sectional area		Minimum effective sealed Cross-Sectional area	
	mm	(in)	mm ²	(in ²)	mm ²	(in ²)
4	2.2	(0.085)	4000	(6.2)	3200	(5.0)
4 1/2	2.2	(0.085)	5100	(7.9)	4080	(6.3)
5	2.3	(0.090)	6300	(9.8)	5040	(7.8)
6	2.5	(0.100)	9100	(14.1)	7280	(11.3)

TABLE 3. DIMENSIONS OF NOMINAL HALFE-ROUND*GUTTERS

Nominal Size	Minimum Wall thickness		Minimum Cross-Sectional area		Minimum effective sealed Cross-Sectional area	
	mm	(in)	mm ²	(in ²)	mm ²	(in ²)
4	2.2	(0.085)	3200	(5.0)	2560	(4.0)
4 1/2	2.2	(0.085)	4000	(6.2)	3200	(5.0)
5	2.3	(0.090)	4900	(7.6)	3920	(6.1)
6	2.5	(0.100)	7200	(11.1)	5760	(8.9)

The minimum Cross-sectional areas given in tables 2 and 3 are calculated Cross-sectional areas and no cutting allowance has been made.

NOTE. Three further sizes of pipe (3, 4 and 6 nominal) are not specified in this standard but are include in (BS 4514), 'Umplasticized PVC soil and ventilating pipe, fittings and accessories' and are suitable for sealed system for internal or external use.

Golden Gate Co.
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GOLDEN GATE Company give this declaration for GOLDEN GM materials only:

To whom it may concern. :

Effects of ultra violet (UV) on out door exposed upvc pipes:

UPVC PIPE exposure to UV radiation results in a change in the pipe's surface color and a reduction in impact strength. **Other properties such as tensile strength (pressure rating) and modulus of elasticity (pipe stiffness) are not adversely affected.**

When exposure in excess of two years to direct sunlight is anticipated, PVC pipe should be covered with an opaque material while permitting adequate air circulation above and around the pipe.

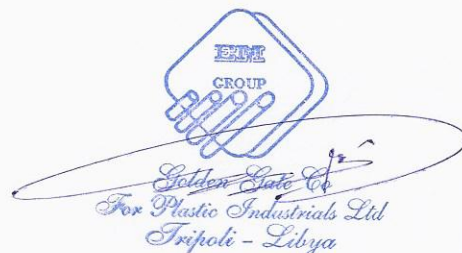
The most common method used to protect aboveground/ out door exposed u PVC pipe from the sun is painting.

“SUNLIGHT WEATHERING AND PAINTING

Plastic pipe and fittings have varying resistance to weathering. PVC, CPVC, and Polypropylene undergo surface oxidation and embrittlement by exposure to sunlight over a period of several years. The surface oxidation is evident by a change in pipe color from gray to white. Oxidized piping does not lose any of its pressure capability. It does, however, become much more susceptible to impact damage.

PVC and CPVC pipe and fittings can be easily protected from ultraviolet oxidation by painting with a heavily pigmented, exterior water base latex paint. The color of the paint is of no particular importance, as the pigment acts as an ultraviolet screen and prevents sunlight damage. White or some other light color is recommended as it helps reduce pipe temperature. The latex paint must be thickly applied as an opaque coating on the pipe and fittings that have been cleaned well and very lightly sanded.

QA/QC, PVC Pipes,
GOLDEN GATE MANUFACTORY Ltd, Tripoli, Libya.



*Golden Gate Co.
For Plastic Industrials Ltd
Tripoli - Libya*

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